



bringing innate immunity to the next level

# Granulocyte and lymphocyte proteins

Hycult Biotech is a leading world-class manufacturer of research reagents in the field of innate immunity. We are a specialized partner in the development and manufacturing of assays, antibodies, proteins and peptides. With the focus on innate immunity, we pay special attention to products relating to antimicrobial peptides, complement, acute phase proteins, TLR, LPS and microbial toxins.

Basophils, eosinophils and neutrophils are the three cell types that belong to the granulocytes. Granulocytes are a type of white blood cells characterized by the presence of granules in their cytoplasm. The nucleus shaped into the usual three lobes are typical for a granulocyte. They are released by bone marrow under the influence of complement through a process called granulopoiesis. Activation of granulocytes and lymphocytes play a central role in the pathogenesis of many autoimmune diseases and are an important clinical hallmark for acute inflammation, sepsis and allergic conditions. Granulocytes and lymphocytes also form the first line of defense to many pathogens by releasing antimicrobial peptides.

Validated ELISA kit sample types:

Bronchoalveolar fluid Breast milk BM:

CM: Cell culture medium CS: Cell culture supernatant

F: Feces P: Plasma S: Serum SP: Sputum

U: Urine TH: Tissue homogenate

WF: Wound fluid

ELISA kits			
Product name	Species	Sample types	Cat. #
Arginase I	Human	CSPS	HK322
Azurocidin	Human	P S SP	HK352
BPI	Human	BF CM P WF	HK314
Calprotectin	Human	FPSU	HK379
Calprotectin, Rapid Fecal	Human	F	HK382
Elafin	Human	CSPS	HK318
Elastase	Human	CS P	HK319
HNP1-3	Human	CS P	HK317
Lactoferrin	Human	BM CS F P U	HK329
LL-37	Human	CS P	HK321
MPO	Human	CS P SP	HK324
MPO	Mouse	CS P TH	HK210
MPO	Rat	CS P TH	HK105
NGAL	Human	CS P U	HK330
Proteinase 3	Human	PS	HK384
S100A9/Calprotectin	Mouse	PS	HK214
SLPI	Human	BF CS P S SP U	HK316

## Can't find the sample type you want for an **ELISA kit?**

Ask the support team to assist you with your research needs on support@hycultbiotech.com!

## Looking for other related products?

We have more than ten folders that highlight different segments of our portfolio, such as antimicrobial peptides and adhesion molecules!

## How many tests would you like?

Almost all our ELISA kits are available in both a 1-plate and a 2-plate format!



#### Validated antibody applications:

F: Frozen sections FC: Flow cytometry FS: Functional studies IA: Immunoassay IF: Immunofluorescence IP: Immunoprecipitation P: Paraffin sections W: Western blot

# Need a custom formulation?

Ask us and we will advise you on the possibilities!

Product name         Olore         Applications         Cal. in           Alpha-1-anilitypsin         2C1         IAIP PW         HM2289           Alpha-1-anilitypsin         3C11         IAW         HM2358           Apociotic Neutrophils         BOB3         FC W         HM2164           Arginase I         6G3         FG IA         HM2162           Arginase I         9C5         FIAIP         HM2364           Agrinase I         9C2         FG IAW         HM2314           Azurocidin         26718         FIFW         HM2310           Azurocidin         26733         IAW         HM2311           Azurocidin         26733         IAW         HM2311           Azurocidin         26733         IAW         HM2279           Beta-defensin 1         PAb         W         HM2279           Beta-defensin 2         PAb         IAPW         HP9057           BPI         3F9         IA         HM2041           BPI         4E3         FG FS IA         HM2070           BPI         4H5         IA         HM2042           BPI         4H5         IA         HM2170           BPI         4H5         IA	Antibodies to human				
Alpha-1-entitypsin         3C11         IA W         HM2368           Apoptotic Neutrophils         BOB93         FC W         HM2164           Arginasa I         6G3         FC IA         HM2162           Arginasa I         9C5         FIA IP         HM2163           Arginasa I         D1.2         FC IA W         HM2312           Azurocidin         26718         FIFW         HM2312           Azurocidin         26733         IA W         HM2311           Basophils         207         FFC IFPW         HM2279           Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA PW         HP9057           BPI         3F9         IA         HM2014           BPI         4B3         FC FS IA         HM2017           BPI         4B5         IA IP         HP9022           Calprotectin         27E10         FC IA IFI PP W         HM214           CD14         18D11         FC FS IA         HM224           CD3         SPV-T3b         FIF         HM214           CD4         18D11         FC FS IA IFI PW         HM2221           CD5         PC FS IA <td< td=""><td>Product name</td><td>Clone</td><td>Applications</td><td>Cat. #</td></td<>	Product name	Clone	Applications	Cat. #	
Apoptotic Neutrophils         BOB93         FC W         HM2154           Arginase I         6G3         FC IA         HM2162           Arginase I         9C5         FIA IP         HM2163           Arginase I         D1.2         FC IA W         HM2324           Azurocidin         26718         FIFW         HM2310           Azurocidin         26733         IA W         HM2311           Basophilis         2D7         FFC IF PW         HM2279           Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA PW         HP9057           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2041           BPI         4E3         FC FS IA         HM2042           BPI         4H5         IA         HM204           BPI         4H5         IA         HM204           BPI         4H5         IA         HM204           BPI         4H5         IA         HM2166           Calprotectin         27F10         FC FS IA         HM2166           CD3         SPV-T3b         FIF         HM2166      <	Alpha-1-antitrypsin	2C1	IA IP P W	HM2289	
Arginase I         6G3         FC IA         HM2162           Arginase I         9C5         F IA IP         HM2163           Arginase I         D1.2         FC IA W         HM2324           Azurocidin         26718         F IF W         HM2312           Azurocidin         26733         IA W         HM2311           Azurocidin         26733         IA W         HM2211           Basophils         2D7         F FC IF PW         HM2279           Beta-defensin 1         pAb         W         HP9069           Beta-defensin 2         pAb         IA PW         HP9067           BPI         3F9         IA         MM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         HM2042           BPI         JAB         IA IP         HM2170           BPI         JAB         IA IP         HM2170 <td< td=""><td>Alpha-1-antitrypsin</td><td>3C11</td><td>IA W</td><td>HM2358</td></td<>	Alpha-1-antitrypsin	3C11	IA W	HM2358	
Arginase I         9C5         FIA IP         HM2163           Arginase I         D1.2         FC IA W         HM2324           Azurocidin         26718         FIFW         HM2312           Azurocidin         26731         IA W         HM2310           Azurocidin         26733         IA W         HM2311           Basophils         2D7         FFC IF PW         HM2279           Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA PW         HP9057           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         IM2170           BPI         4H5         IA         IM2170           BPI         4H6         IA         IM2170           BPI         HM2171 <td>Apoptotic Neutrophils</td> <td>BOB93</td> <td>FC W</td> <td>HM2154</td>	Apoptotic Neutrophils	BOB93	FC W	HM2154	
Arginase I         D1.2         FC IA W         HM2324           Azurocidin         26718         FIFW         HM2312           Azurocidin         26721         IA W         HM2310           Azurocidin         26733         IA W         HM2311           Basophils         2D7         FFC IF PW         HM2311           Basophils         2D7         FFC IF PW         HM2279           Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA PW         HP9067           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4E3         FC FS IA         HM2170           BPI         AB         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP PW         HM2156           CD3         SPV-T3B         FIF         HM2124           CD14         18D11         FC FS IA         HM2224           CD13         18D11         FC FS IA         HM2224           CD16         NK92,39         FC FS IA IP W         HM2224           CD154         24-31         FC FS IA IP W <td>Arginase I</td> <td>6G3</td> <td>FC IA</td> <td>HM2162</td>	Arginase I	6G3	FC IA	HM2162	
Azurocidin         z6718         FIFW         HM2312           Azurocidin         26721         IA W         HM2310           Azurocidin         26733         IA W         HM2311           Basophils         2D7         FFC IF P W         HM2279           Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA P W         HP9057           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         HM2170           BPI         4H5         IA         HM2170           BPI         Ab         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP P W         HM2166           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA IF IP P W         HM2244           CD14         18D11         FC FS IA         HM2244           CD83         ELBE-1         FC FS IA IP W         HM2224           CD33         ELBE-1         FC FS IA IP W         HM2167           CD154         24-31         FC FS IA IP W	Arginase I	9C5	F IA IP	HM2163	
Azurocidin         z6721         IA W         HM2310           Azurocidin         z6733         IA W         HM2311           Basophilis         2D7         F FC IF P W         HM2279           Beta-defensin 1         pAb         W         HP9069           Beta-defensin 2         pAb         IA P W         HP9067           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         HM2042           BPI         pAb         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP P W         HM2126           CD3         SPV-T3b         F IF         HM2124           CD4         18D11         FC FS IA         HM224           CD53         ELBE-1         FC IA W         HM2214           CD63         ELBE-1         FC IS W         HM2210           CD54         24-31         FC FS IA IP W         HM2222           CD154         24-31         FC FS IA IP W         HM2157           CD153         RM3/1         F FC FS IF IP W         HM2157           Defensin 5         BC8         F IA W	Arginase I	D1.2	FC IA W	HM2324	
Azurocidin         26733         IA W         HIM2311           Basophils         2D7         F FC IF P W         HM2279           Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA P W         HP9057           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         HM2042           BPI         pAb         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP P W         HM2166           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC FS         IA W           CD144         18D11         FC FS IA IP W         HM2221           CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IA IP W         HM2257           CRISP-3         pAb         IA P W	Azurocidin	z6718	F IF W	HM2312	
Basophilis         2D7         FFC IF P W         HM2279           Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA P W         HP9067           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         HM2042           BPI         pAb         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM2144           CD14         18D11         FC FS IA         HM2244           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2214           CD83         ELBE-1         FC FS IA         HM2224           CD40         NK92.39         FC FS         HM2210           CD164         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HM2033           DC-SIGN         DCN47.5         FC FS         <	Azurocidin	z6721	IA W	HM2310	
Beta-defensin 1         pAb         W         HP9059           Beta-defensin 2         pAb         IA P W         HP9057           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H6         IA         HM2042           BPI         pAb         IA IP         HP9022           Calprotectin         27E10         F FG IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM214           CD14         18D11         FC FS IA         HM224           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM231           CD96         NK92.39         FC FS         HM2210           CD164         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Bafin         pAb         IA P W         HM2063 </td <td>Azurocidin</td> <td>z6733</td> <td>IA W</td> <td>HM2311</td>	Azurocidin	z6733	IA W	HM2311	
Beta-defensin 2         pAb         IA P W         HP9057           BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H6         IA         HM2042           BPI         DAb         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2321           CD96         NK92.39         FC FS         HM2210           CD164         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HM2263           Elafin         TRAB2F         IA P W         HM206	Basophils	2D7	F FC IF P W	HM2279	
BPI         3F9         IA         HM2041           BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         HM2042           BPI         pAb         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2321           CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2167           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         BC8         F IA W         HM2228           Elafin         pAb         IA P W         HM2038           Elafin         TFAB2F         IA P W         HM2063           Elafin         TFAB2O         IA P W         HM2074           Elastase         pAb         IA         HP9027	Beta-defensin 1	pAb	W	HP9059	
BPI         4E3         FC FS IA         HM2170           BPI         4H5         IA         HM2042           BPI         pAb         IA IP         HP9022           Calprotectin         27E10         F FC IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2221           CD86         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         FFC FS IF IP W         HM2167           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         BC8         F IA W         HM2209           Elatin         pAb         IA P W         HP9025           Elatin         TRAB2F         IA P W         HM2063           Elatin         TRAB2F         IA P W         HM2063           Elastase         pAb         IA         HW         HM2174           Elastase         pAb         IA	Beta-defensin 2	pAb	IAPW	HP9057	
BPI         4H5         IA         HM2042           BPI         pAb         IA IP         HP9022           Calprotectin         27E10         FFC IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2321           CD86         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         FFC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.JP30         FC IF IP	BPI	3F9	IA	HM2041	
BPI         pAb         IA IP         HP9022           Calprotectin         27E10         FFC IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2321           CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         FFC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HM2228           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP	BPI	4E3	FC FS IA	HM2170	
Calprotectin         27E10         F FC IA IF IP P W         HM2156           CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2321           CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM263           Elafin         TRAB2O         IA P W         HM262           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC	BPI	4H5	IA	HM2042	
CD3         SPV-T3b         F IF         HM2124           CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2210           CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         FFC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HM2073           Lactoferrin         pAb         IA IP W </td <td>BPI</td> <td>pAb</td> <td>IA IP</td> <td>HP9022</td>	BPI	pAb	IA IP	HP9022	
CD14         18D11         FC FS IA         HM2224           CD83         ELBE-1         FC IA W         HM2321           CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         FFC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         pAb         IA IP W         HM2173           Lactoferrin         pAb         IA	Calprotectin	27E10	F FC IA IF IP P W	HM2156	
CD83         ELBE-1         FC IA W         HM2321           CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           DO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HM2071           LL-37/CAP-18         1-1C12	CD3	SPV-T3b	FIF	HM2124	
CD96         NK92.39         FC FS         HM2210           CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IF P W         HM2071           LL-37/CAP-18         1-1C12         IA IF P W         HM2070	CD14	18D11	FC FS IA	HM2224	
CD154         24-31         FC FS IA IP W         HM2222           CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HM2071           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	CD83	ELBE-1	FC IA W	HM2321	
CD163         RM3/1         F FC FS IF IP W         HM2157           CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	CD96	NK92.39	FC FS	HM2210	
CRISP-3         pAb         IA P W         HP9033           DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	CD154	24-31	FC FS IA IP W	HM2222	
DC-SIGN         DCN47.5         FC FS         HM2209           Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         Map.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	CD163	RM3/1	F FC FS IF IP W	HM2157	
Defensin 5         8C8         F IA W         HM2228           Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	CRISP-3	pAb	IAPW	HP9033	
Elafin         pAb         IA P W         HP9025           Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	DC-SIGN	DCN47.5	FC FS	HM2209	
Elafin         TRAB2F         IA P W         HM2063           Elafin         TRAB2O         IA P W         HM2062           Elastase         265-3K1         IA W         HM2174           Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	Defensin 5	8C8	F IA W	HM2228	
Elafin       TRAB2O       IA P W       HM2062         Elastase       265-3K1       IA W       HM2174         Elastase       pAb       IA       HP9027         GILT       MaP.IP30       FC IF IP       HM2284         HNP1-3       D21       FFC FS IA IF IP P W       HM2058         IDO       pAb       FC IA IF P W       HP5004         Lactoferrin       265-1K1       F IA W       HM2173         Lactoferrin       pAb       IA IP W       HP9034         LL-37/CAP-18       1-1C12       IA IF P W       HM2071         LL-37/CAP-18       3D11       FS IF P W       HM2070	Elafin	pAb	IAPW	HP9025	
Elastase       265-3K1       IA W       HM2174         Elastase       pAb       IA       HP9027         GILT       MaP.IP30       FC IF IP       HM2284         HNP1-3       D21       F FC FS IA IF IP P W       HM2058         IDO       pAb       FC IA IF P W       HP5004         Lactoferrin       265-1K1       F IA W       HM2173         Lactoferrin       pAb       IA IP W       HP9034         LL-37/CAP-18       1-1C12       IA IF P W       HM2071         LL-37/CAP-18       3D11       FS IF P W       HM2070	Elafin	TRAB2F	IAPW	HM2063	
Elastase         pAb         IA         HP9027           GILT         MaP.IP30         FC IF IP         HM2284           HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	Elafin	TRAB2O	IAPW	HM2062	
GILT MaP.IP30 FC IF IP HM2284  HNP1-3 D21 FFC FS IA IF IP P W HM2058  IDO pAb FC IA IF P W HP5004  Lactoferrin 265-1K1 F IA W HM2173  Lactoferrin pAb IA IP W HP9034  LL-37/CAP-18 1-1C12 IA IF P W HM2071  LL-37/CAP-18 3D11 FS IF P W HM2070	Elastase	265-3K1	IA W	HM2174	
HNP1-3         D21         F FC FS IA IF IP P W         HM2058           IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	Elastase	pAb	IA	HP9027	
IDO         pAb         FC IA IF P W         HP5004           Lactoferrin         265-1K1         F IA W         HM2173           Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	GILT	MaP.IP30	FC IF IP	HM2284	
Lactoferrin       265-1K1       F IA W       HM2173         Lactoferrin       pAb       IA IP W       HP9034         LL-37/CAP-18       1-1C12       IA IF P W       HM2071         LL-37/CAP-18       3D11       FS IF P W       HM2070	HNP1-3	D21	F FC FS IA IF IP P W	HM2058	
Lactoferrin         pAb         IA IP W         HP9034           LL-37/CAP-18         1-1C12         IA IF P W         HM2071           LL-37/CAP-18         3D11         FS IF P W         HM2070	IDO	pAb	FC IA IF P W	HP5004	
LL-37/CAP-18 1-1C12 IA IF P W HM2071 LL-37/CAP-18 3D11 FS IF P W HM2070	Lactoferrin	265-1K1	FIAW	HM2173	
LL-37/CAP-18 3D11 FS IF P W HM2070	Lactoferrin	pAb	IA IP W	HP9034	
	LL-37/CAP-18	1-1C12	IA IF P W	HM2071	
LRG 2F5.A2 IA HM2013	LL-37/CAP-18	3D11	FS IF P W	HM2070	
	LRG	2F5.A2	IA	HM2013	

Antibodies to human			
Product name	Clone	Applications	Cat. #
Lysozyme	pAb	IA IP W	HP9035
Macrophages mature	25F9	F FC P W	HM2158
Mannose receptor	15-2	F FC FS W	HM2056
MARCO	PLK-1	F FC FS IF IP W	HM2208
MPO	266-6K1	IA W	HM2164
MPO	B7	F FC IA W	HM2288
MRP-8	7C12/4	FC IA W	HM2175
MRP-14	1H9	FC IA W	HM2176
NGAL	697	IA IF	HM2193
Proteinase 3	PR3G-2	FC FS IA W	HM2172
Proteinase 3	WGM2	F FC FS IA IF IP P W	HM2171
S100A7	9F3	FS IA IF P W	HM2328
SIRL-1	1A5	FC FS IP W	HM2309
SLPI	31	F IA IP P W	HM2037
SLPI	pAb	IA IP W	HP9024
SPLUNC1	5F5B12	F IA IF W	HM2314
SPLUNC1	5F5G1	F IA IF W	HM2315
Transferrin receptor 1	3B8 2A1	FC F IA IP W	HM2134

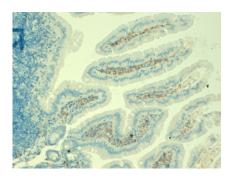
Antibodies to other species				
Product name	Clone	Species	Applications	Cat. #
CD4	15-8A2	Rat	F FC	HM3001
CD8	15-11C5	Rat	F FC P	HM3003
CD68	ED1	Rat	F FC IP P W	HM3029
CD163	ED2	Rat	F FC IF IP P W	HM3025
Defensin 5	R3	Rabbit	F FC IA W	HM4008
IDO1	pAb	Rat	FPW	HP8036
Lactoferricin	5F12.1.2	Bovine	IA W	HM4012
Lactoferrin	a-bC-lobe	Bovine	IAPW	HM4013
Lactoferrin	pAb	Bovine	IA IP W	HP7001
MCL	WEN42	Rat	F FC FS IP W	HM3042
Mincle	WEN43	Rat	FC FS	HM3041
MPO	2D4	Rat	FC IA	HM3030
MPO	B7	Rat	F FC IA W	HM3039
SR-BI	3D12	Rat	F FC FS	HM3027

# Want a conjugated

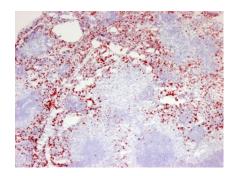
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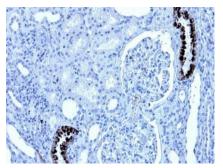
Ask us and we will advise you on the possibilities!



Macrophages in mouse colon. Staining of paraffin section using clone BM8 (Cat. # HM1066)



CD68 in rat spleen. Staining of frozen section using clone ED1 (Cat. # HM3029)



Alpha-1-antitrypsin in human kidney. Staining of paraffin section using clone 2C1 (Cat. # HM2289)



Antibodies to mouse			
Product name	Clone	Applications	Cat. #
CD13	ER-BMDM1	F FC P	HM1083
CD14	Sa14-2	FC FS IF IP W	HM1060
CD68	FA-11	F FC IF IP W	HM1070
CD71	ER-MP21	F FC FS	HM1085
CD96	6A6	FC FS IA W	HM1105
CD200R3	Ba91	FC FS IP W	HM1104
CD200R3	Ba103	FC FS IP W	HM1103
Dectin-1	2A11	F FC FS IP	HM1067
GILT	MaP.mGILT6	FC IF IP W	HM1128
Lactoferrin	1A10	FC IA	HM1132
Lactoferrin	1E4	IA	HM1133
LPLUNC1	pAb	IF P W	HP8044
Ly-6C	ER-MP20	F FC IA P	HM1082
Macrophages F4/80	BM8	F FC P W	HM1066
MARCO	ED31	F FC FS IP	HM1068
MGL	ER-MP23	F FC FS	HM1081
MHC class I	ER-HR52	F FC	HM1090
MHC class I	ER-MP42	F FC	HM1091
MHC class II	ER-TR3	F FC	HM1087
Monocyte/Macrophages	ER-HR3	F FC P	HM1088
MPO	8F4	F FC IA IF	HM1051
MPO	B7	F FC IA W	HM1135
Neutrophils	NIMP-R14	F FC FS P	HM1039
OSCAR	5B8	FC FS	HM1121
RBC	34-3C	FC FS	HM1120
S100A9	MU14-2A5	F FS IA IF P W	HM1102
Siglec-H	440c	F FC FS P	HM1075
SIGN-R1	ER-TR9	F FC FS	HM1080
Spi-6	pAb	FC IA W	HP8035
SPLUNC1	pAb	PW	HP8043
SR-A	2F8	F FC FS IP W	HM1061

Proteins and peptides			
Product name	Species	Quantity	Cat. #
Alpha-defensin 6, Peptide	Human	50 μ9	HC2137
Calprotectin, Recombinant	Human	50 μg	HC2120
Cathepsin G, Peptide	Human	50 μg	HC2138
CRAMP, Peptide	Mouse	50 μg	HC1106
Elafin, Recombinant	Human	50 μg	HC4011
HNP-1, Peptide	Human	50 μg	HC2134
HNP-2, Peptide	Human	50 μg	HC2135
HNP-3, Peptide	Human	50 μg	HC2136
HNP1-3, Recombinant	Human	100 μg	HC4014
LL-37, Peptide	Human	50 μg	HC4013





# What we stand for

· Original manufacturer

• Innate immunity focus

• > 20 years experience

- Reliable and robust
- · Support within one working day
- Scientific drive

Hycult Biotech, bringing innate immunity to the next level



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