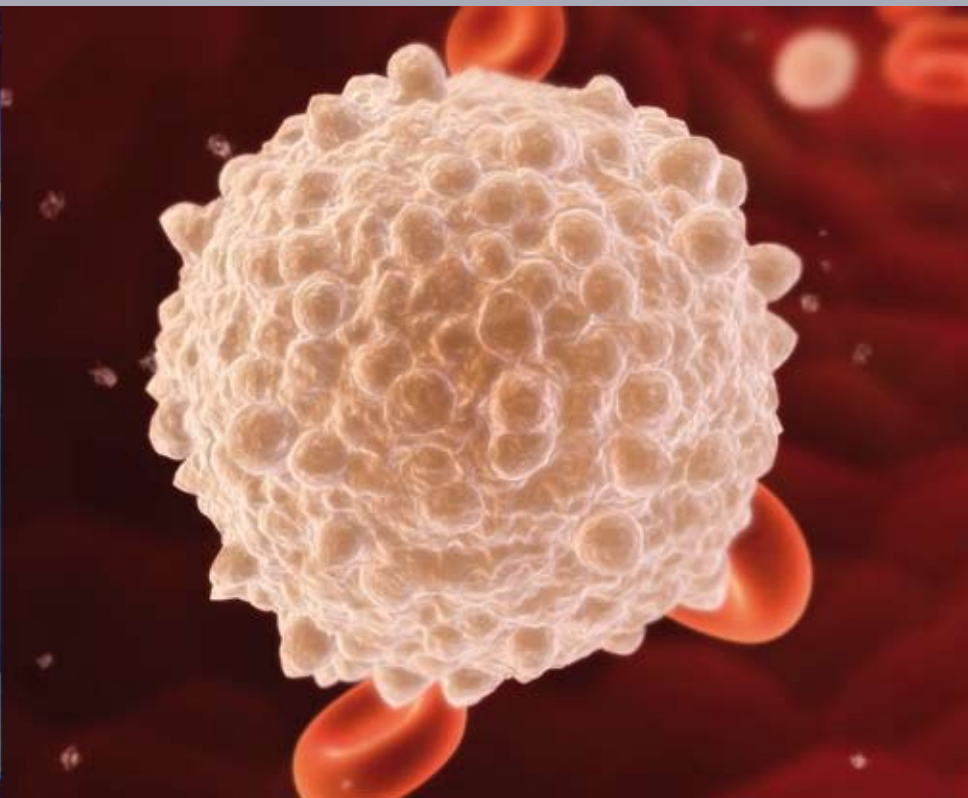
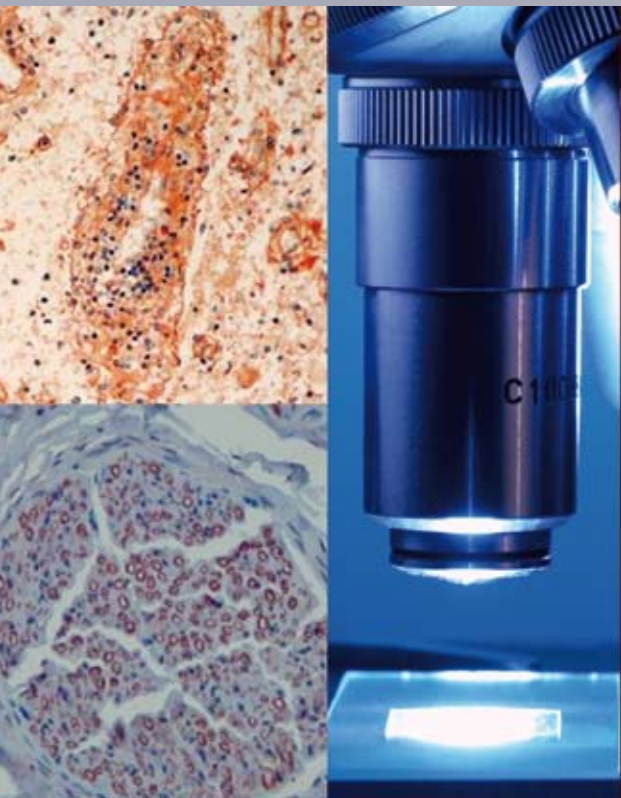




Complement Research

Innate Immunity · Acute phase proteins · Western blot · Antimicrobial peptides · **Complement Research** · LPS, Microbial toxins · Flow cytometry · Scavenger receptors · TLR · **Assays** · Inflammation · Adhesion molecules · Immunohistochemistry · Coagulation molecules · Cytokines · Chemokines · **Antibodies** · Cell & Tissue damage · Functional studies · Lipid binding proteins · Immunoprecipitation · Oxidative stress · Organ & Tissue related research · **Proteins** · Mouse mAb isotyping kits



General introduction

Hycult Biotech develops, produces and markets antibodies, antibody based products and more specifically immunoassays for innate immunity and directly related fields, with an emphasis on complement, neutrophil proteins, TLR, scavenger receptors and acute phase proteins. Furthermore, we have a strong interest in progressing research in the area of inflammation and cell damage caused by pathogens or oxidation factors.

Introduction product group

The complement system is not only central to innate immune responses but is also a dominant player in adaptive immunity. Damage-associated molecular patterns (DAMPs) are translated into cellular responses through interaction with specific receptors on distinct cells. Among these are pattern-recognition receptors (PRRs) which identify pathogen associated molecular patterns (PAMPs) and endogenous danger signals, e.g. apoptosis related membrane fragments. Complement components like C1q, C3 and the collectin mannose-binding lectin (MBL) are essential soluble danger sensing proteins that are activated by both endogenous and exogenous stimuli.

In this Product Leaflet the following abbreviations for the applications will be cited:

FC: Flow Cytometry

FS: Functional studies

IH: Immunohistochemistry, F: Frozen sections and P: Paraffin sections

IA: Immunoassays

IF: Immunofluorescence

IP: Immunoprecipitation

WB: Western Blot

pAb: Polyclonal antibody

More information about products within the field of Innate Immunity, Antimicrobial peptides, Microbial toxins, TLR, Inflammation, Cell & Tissue damage, Lipid binding proteins, and Oxidative stress can be found on our website. Please feel free to subscribe to our newsletter to make sure you will be up-to-date of Hycult Biotech's product information! Hycult Biotech has worldwide distribution through a network of over 45 distributors. If you have questions regarding pricing and ordering, please contact your local distributor. Distributor information can be found on our website.

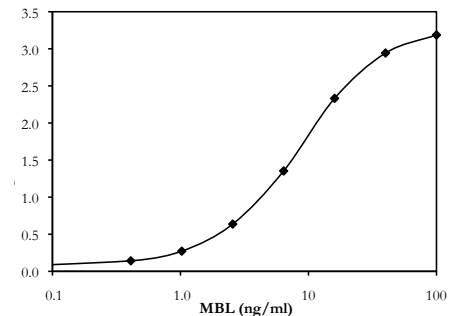
We understand technical support is part of the deal when you are interested in or have purchased one of our products. For product specific information please have a look at our website: www.hycultbiotech.com or contact us: support@hycultbiotech.com.

Human

Assays

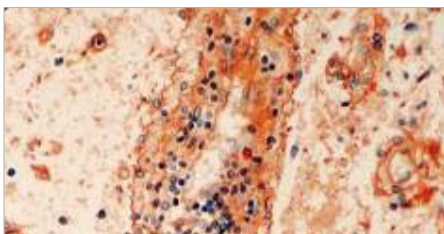
Product name	Quantity	Cat.#
Factor H, ELISA	2 x 96 det.	HK342
Factor H (Y402H) variant detection	1 x 96 det.	HK353
H-Ficolin, ELISA	2 x 96 det.	HK340
L-Ficolin, ELISA	2 x 96 det.	HK336
MASP-2, ELISA	2 x 96 det.	HK326
MASP-3, ELISA	2 x 96 det.	HK339
MBL, ELISA	2 x 96 det.	HK323
MBL, ELISA \leq € 100	1 x 96 det.	HD01-323
MBL/MASP-2, ELISA	2 x 96 det.	HK327
SP-D, ELISA	2 x 96 det.	HK335
TCC, ELISA	2 x 96 det.	HK328

Human MBL (Lectin assay) ELISA
Standard Curve

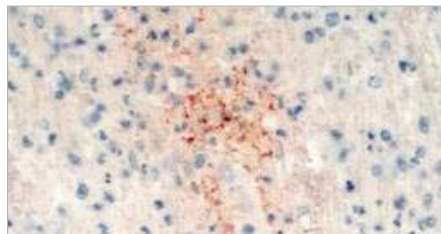


Proteins

Product name	Quantity	Cat.#
C5a, Recombinant	50 µg	HC2101
C5a des Arg, Recombinant	50 µg	HC2102
C5L2, Peptide	10 µg	HC2103



C5 in human brain tissue. Staining of paraffin section with monoclonal antibody WU 6-4 (Cat.# HM2276)



C9 neoantigen in human brain tissue. Staining of paraffin section with monoclonal antibody WU 13-15 (Cat.# HM2264)

Human

Antibodies All antibodies have the quantity of 100 µg except for HM2082 (50 µg)

Product name	Clone name	Applications	Cat.#	Product name	Clone name	Applications	Cat.#
activated C1s	M241	F FC FS IA IP P W	HM2109	CD46	M177	F FC FS IA IP P W	HM2103
activated C3	bH6	F IA P	HM2168	CD46, FITC	M177	F FC IA P W	HM2103F
activated C3	I3/15	IA W	HM2257	CD55	D17	FC W	HM2105
C1s	M81	F FC FS IA IP P W	HM2108	CD55, FITC	D17	FC W	HM2105F
C3/C3a	474	IA W	HM2073	CD59	MEM-43	FC FS IP W	HM2120
C3/C3a	2898	IA W	HM2075	CHIPS	JCC1	F FC FS IA P W	HM6003
C3/C3b	755	IA IP W	HM2072	CHIPS	JNC1	F FC FS IA P W	HM6004
C3a/C3a des-Arg	2991	IA W	HM2074	Factor B/Ba	P21/15	IA IP W	HM2254
C3aR	17	F FC	HM2195	Factor B/Ba	M20/6	IA IP W	HM2255
C3c	4	IP	HM2200	Factor B/Bb	M13/12	IA IP W	HM2256
C3d	3	IA IP	HM2198	Factor D	D10/4	IA W	HM2258
C3g	9	IA IP	HM2199	Factor D	I8/1	IA	HM2259
C4d	12D11	F IA W	HM2229	Factor H	C18/3	IA W	HM2248
C4d	7H4	F IA W	HM2230	Factor H	L20/3	IA W	HM2249
C5/C5a	557	FS iA	HM2077	H-Ficolin	4H5	IP	HM2089
C5/C5a	561	FS IA IP W	HM2076	L-Ficolin	GN4	IA IP	HM2090
C5/C5b	568	IA W	HM2080	L-Ficolin	GN5	IA IP W	HM2091
C5a/C5a des-Arg	2942	FS IA W	HM2078	MASP-1/3	1E12	IA IP W	HM2092
C5a/C5a des-Arg	2952	FS IA W	HM2079	MASP-1/3	2B11	IA IP W	HM2093
C5aR	S5/1	FC FS P W	HM2094	MASP-2	8B5	IA W	HM2190
C5aR	W17/1	F FC P	HM2095	MASP-2 / MAp19	6G12	IA W	HM2191
C5L2	pAb	FC	HP9036	MASP-3	38:12-3	IA W	HM2216
C6	WU6-4	FC FS IA IP P W IF	HM2276	MBL	3E7	F FC IA W	HM2061
C7	WU4-15	FC IA IP W IF	HM2277	MBL	D8.18	FC IA W	HM2081
C9	X197	F FC FS IA P W	HM2111	MBL, biotinylated	D8.18	FC IA W	HM2082
C9 neoantigen	WU13-15	F FC IA P W IF	HM2264	MBL, FITC	3E7	F FC IA W	HM2061F
C9, FITC	X197	F FC IA P W	HM2111F	M-ficolin	pAb	FC W IF	HP9039
CD11b	Bear-1	F FC IP	HM2125	pro-SP-C	pAb	F P W	HP9050
CD11b, FITC	Bear-1	F FC	HM2125F	SP-B	pAb	IA W	HP7002
CD21	21B9	FC W	HM2139	SP-B	pAb	F P W	HP9049
CD35	31R	F FC IA IP P W	HM2107	TCC	aE11	F FC IA IP P W	HM2167

Mouse

Antibodies

Product name	Clone name	Applications	Cat.#
C1q	7H8	F FC IA IP W	HM1044
C1q	JL-1	F FC FS IA W	HM1096
C1q, biotinylated	JL-1	F FC IA W	HM1096BT
C1q, FITC	JL-1	F FC IA W	HM1096F
C3	11H9	F FC IA IP W	HM1045
C3	pAb	F W	HP8012
C3a	3-11	IA W	HM1072
C3b/iC3b	3/26	F FC FS IA W	HM1078
C3b/iC3b/C3c	2/11	F FC FS IA W	HM1065
C4	16D2	F FC IA IP W	HM1046
C4d	pAb	F FC W	HP8033
C5	BB5.1	F FC IA IP	HM1073
C5	pAb	F W	HP8013
C5aR	20/70	FC FS	HM1076
C5aR	10/92	F FC	HM1077
C5L2	pAb	FC FS	HP8015
C6	pAb	F W	HP8014
CD46	MM10	F FC IA W IF	HM1118
CD55	3D5	FC IA W	HM1115
CD59a	7A6	F FC FS IA W IF	HM1116
Crry	8A/E6	IA	HM1117
Factor H	1A2	F IA W	HM1119

Antibodies

Product name	Clone name	Applications	Cat.#
MBL-A	8G6	F IA W	HM1035
MBL-A	2B4	IA W	HM1036
MBL-C	16A8	IA W	HM1037
MBL-C	14D12	F IA W	HM1038

Assays

Product name	Quantity	Cat.#
MBL-A	2 x 96 det.	HK208
MBL-C	2 x 96 det.	HK209

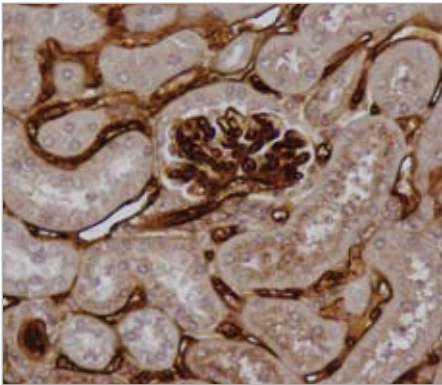
Proteins

Product name	Quantity	Cat.#
C5a, Recombinant	50 µg	HC1101
C5a des Arg, Recombinant	50 µg	HC1102
C5L2, Peptide	10 µg	HC1103
CHIPS	10 µg	HC4012

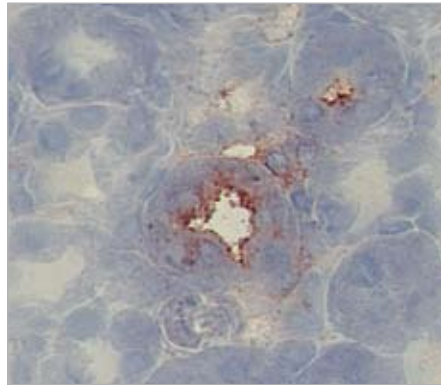
Rat

Antibodies

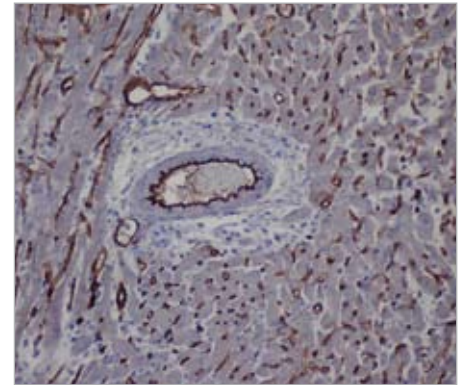
Product name	Clone name / pAb	Quantity	Applications	Cat.#
C1q	pAb	100 µg	F IA IP	HP8021
C3	pAb	100 µg	IA W	HP8022
C3/C3b	2B10B9B2	100 µg	IA W	HM3031
C3aR	74	100 µg	F FC	HM3028
C4	pAb	100 µg	IA IP	HP8023
C4d	pAb	100 µg	F FC W	HP8034
C5aR	R63	100 µg	F FC	HM3017
C5b-9	2A1	100 µg	F FC IA W	HM3033
C5L2	pAb	100 µg	FC FS	HP8018
C6	3G11	100 µg	F IA W	HM3034
Crry	TLD-1C11	100 µg	F FC FS W IF	HM3032
Crry, FITC	TLD-1C11	100 µg	F FC W IF	HM3032F
SP-D	IIIH3	100 µg	IA P W	HM3022
SP-D	VIF9	100 µg	IA P W	HM3023
SP-D	IVG8	100 µg	IA P W	HM3024



C4d in mouse kidney transplant. Staining of paraffin section with antibody to mouse C4d (Cat.# HP8033). From Dr. J. Werner and Dr. W. Baldwin, unpublished data



Tubular MBL-C deposition in mouse kidney subjected to ischemia and reperfusion. Immunohistochemical staining on frozen section with antibody 14D12 (Cat.# HM1038).



C4d in rat heart transplant. Staining of paraffin section with antibody to rat C4d (Cat.# HP8034). From Dr. J. Werner and Dr. W. Baldwin, unpublished data

Proteins

Product name	Quantity	Cat.#
C5L2, Peptide	10 µg	HC3103

Why scientists buy our products:

- Unique products · Sensitivity · Specificity · Easy to use · Value for money · Two-plates kits · Functional studies · Technical support · Standardized assays · Quality control · Inter/intra variation <10% · Well documented products · Broad in applications ·



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