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PRODUCT DATASHEET

Anti-Complement Factor H (beta-1H-Globulin) Antibody Biotin Conjugate

Product Details

Available Variants	150 uL (SKU:GAU 020-03B-015)
Conjugate	Biotin
Isotype	IgG1/k
Clone	L20/3
Gene Name	CFH
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.14 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA
Species Reactivity	Human
Immunogen	Human Factor H
Specificity	GAU 020-03 is specific for complement factor H in human serum and plasma. Epitope specificity differs from that of GAU 018-03.
Storage	2-8°C without exposure to light
UniProt ID	P08603 UniProt Summary: Glycoprotein that plays an essential role in maintaining a well-balanced immune response by modulating complement activation. Acts as a soluble inhibitor of complement, where its binding to self markers such as glycan structures prevents complement activation and amplification on cell surfaces (PubMed:21285368, PubMed:21317894, PubMed:25402769). Accelerates the decay of the complement alternative pathway (AP) C3

	convertase C3bBb, thus preventing local formation of more C3b, the central player of the complement amplification loop (PubMed:19503104, PubMed:21317894, PubMed:26700768). As a cofactor of the serine protease factor I, CFH also regulates proteolytic degradation of already-deposited C3b (PubMed:18252712, PubMed:23332154, PubMed:28671664). In addition, mediates several cellular responses through interaction with specific receptors. For example, interacts with CR3/ITGAM receptor and thereby mediates the adhesion of human neutrophils to different pathogens. In turn, these pathogens are phagocytosed and destroyed (PubMed:20008295, PubMed:9558116). {ECO:0000269|PubMed:18252712, ECO:0000269|PubMed:19503104, ECO:0000269|PubMed:20008295, ECO:0000269|PubMed:21285368, ECO:0000269|PubMed:21317894, ECO:0000269|PubMed:23332154, ECO:0000269|PubMed:25402769, ECO:0000269|PubMed:26700768, ECO:0000269|PubMed:28671664, ECO:0000269|PubMed:9558116}.; (Microbial infection) In the mosquito midgut, binds to the surface of parasite P.falciparum gametocytes and protects the parasite from alternative complement pathway-mediated elimination. {ECO:0000269|PubMed:23332154}.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	12 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	3075

Product Images



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