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PRODUCT DATASHEET

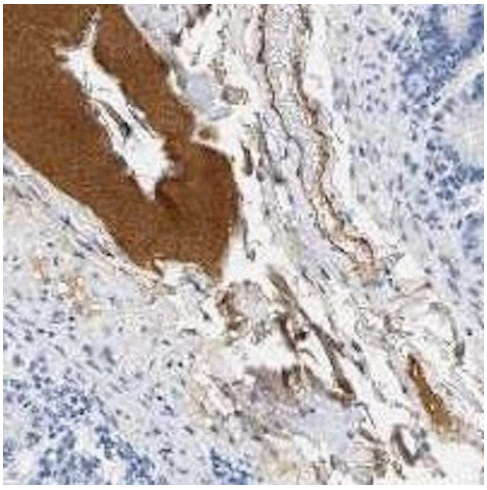
Anti-Complement Factor H (beta-1H-Globulin) Antibody

Product Details

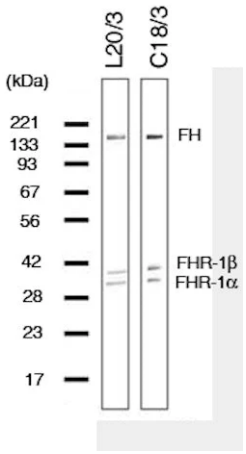
Available Variants	100 uL (SKU:GAU 018-03-010) 400 uL (SKU:GAU 018-03-04) 1000 uL (SKU:GAU 018-03-1)
Conjugate	Unconjugated
Isotype	IgG1/k
Clone	C18/3
Gene Name	CFH
Host Species	Mouse
Concentration	1 mg/mL ±15%
Format	Protein A or Protein G purified
Physical State	Liquid
Buffer	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide
Production Notes	BSA free
Applications	ELISA, IHC, WB
Species Reactivity	Human
Immunogen	Human Factor H
Specificity	GAU 018-03 is specific for complement factor H in human serum and plasma. Epitope specificity differs from that of GAU 020-03.
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	24 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



Immunohistochemistry detection of Complement factor H (ß1H-globulin) in Human duodenum tissue using Anti-Complement Factor H (beta-1H-Globulin) Antibody (Cat.GAU 018-03-010). Tissue was mounted and pariffin fixed. Heat induced antigen retrieval was performed using citrate buffer, heated, and then blocked. After washing, the primary antibody (Cat.GAU 018-03-010) was incubated with the sample.



Western blot detection of Complement factor H (ß1H-globulin) using Anti-Complement Factor H (beta-1H-Globulin) Antibody (Cat.GAU 018-03-010). Gel was loaded with Lane 1: human serum. Proteins were transferred to the membrane, blocked, and then washed with a buffer. Primary antibody was incubated with sample and then detected via ECL using a secondary antibody.

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Created on 19. November 2026 | All information without guarantee