www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

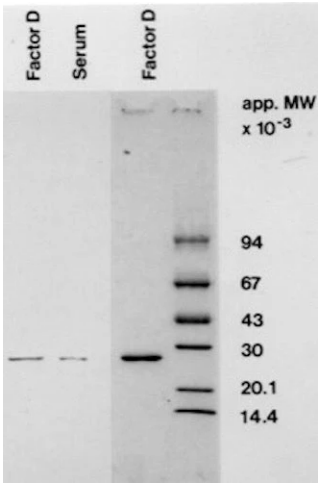
Anti-Complement Factor D Antibody

Product Details

Available Variants	100 uL (SKU:GAU 010-04-010) 400 uL (SKU:GAU 010-04-04) 1000 uL (SKU:GAU 010-04-1)
Conjugate	Unconjugated
Isotype	IgG2a/k
Clone	D10/4
Gene Name	CFD
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, WB
Species Reactivity	Human
Immunogen	Human factor D
Specificity	GAU 010-04 is specific for complement factor D in human serum and plasma. Epitope specificity differs from that of GAU 008-01. (1)
Storage	2-8°C without exposure to light
UniProt ID	P00746 UniProt Summary: Serine protease that initiates the alternative pathway of the complement system, a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed:21205667, PubMed:22362762, PubMed:6769474, PubMed:874324, PubMed:9748277). In contrast to other complement pathways (classical, lectin and GZMK) that are directly activated by pathogens

	or antigen-antibody complexes, the alternative complement pathway is initiated by the spontaneous hydrolysis of complement C3 (PubMed:21205667, PubMed:22362762, PubMed:6769474, PubMed:874324). The alternative complement pathway acts as an amplification loop that enhances complement activation by mediating the formation of C3 and C5 convertases (PubMed:21205667, PubMed:22362762, PubMed:6769474, PubMed:874324). Activated CFD cleaves factor B (CFB) when the latter is complexed with complement C3b, activating the C3 convertase of the alternative pathway (PubMed:21205667, PubMed:6769474, PubMed:874324, PubMed:9748277). {ECO:0000269|PubMed:21205667, ECO:0000269|PubMed:22362762, ECO:0000269|PubMed:6769474, ECO:0000269|PubMed:874324, ECO:0000269|PubMed:9748277}.
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	1675

Product Images



Western blot detection of Complement factor D using Anti-Complement Factor D Antibody (Cat.GAU 010-04-010). Gel was loaded with Lane 1: Purified Factor D, Lane 2: Factor D in human serum, Lane 3: SDS-PAGE purified Factor D. 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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