10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat anti-CFD / adipsin (aa87-96) Antibody

Peptide-affinity purified goat antibody
Catalog # AF4366a

Product Information

Application	WB, Pep-ELISA
Primary Accession	P00746
Other Accession	NP_001919.2
Reactivity	Human, Pig, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	CFD
Calculated MW	27033

Additional Information

Gene ID	1675
Other Names	CFD; complement factor D (adipsin); ADIPSIN; ADN; DF; PFD; C3 convertase activator; D component of complement (adipsin); complement factor D; complement factor D preproprotein; properdin factor D
Dilution	WB~~1:1000 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-CFD / adipsin (aa87-96) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CFD (HGNC:2771)
Synonyms	DF, PFD
Function	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).

Cellular Location Secreted

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.