

CFD Antibody
Rabbit mAb
Catalog # AP93027

Specification

CFD Antibody - Product Information

Application	WB
Primary Accession	P00746
Clonality	Monoclonal
Other Names	
Adipsin; And; CFD; Complement factor D; FactorD; PFD;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	27033 Da

CFD Antibody - Additional Information

Dilution	WB~~1:1000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CFD
Description	Factor D cleaves factor B when the latter is complexed with factor C3b, activating the C3bbb complex, which then becomes the C3 convertase of the alternate pathway. Its function is homologous to that of C1s in the classical pathway.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

CFD Antibody - 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](http://www.uniprot.org/citations/21205667), PubMed: [22362762](http://www.uniprot.org/citations/22362762), PubMed: [6769474](http://www.uniprot.org/citations/6769474), PubMed: [874324](http://www.uniprot.org/citations/874324), PubMed: [9748277](http://www.uniprot.org/citations/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

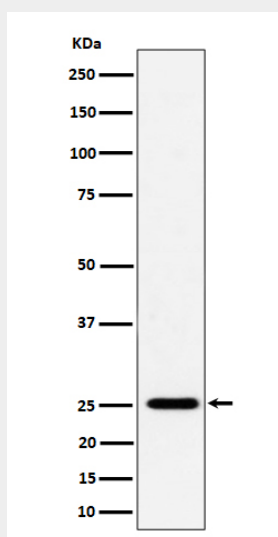
Secreted

CFD Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CFD Antibody - Images



Western blot analysis of CFD expression in THP-1 cell lysate.