

Anti-Complement Factor D Reference Antibody (lampalizumab)

Recombinant Antibody
Catalog # APR10146

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P00746
Reactivity	Human, Rabbit
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	27033

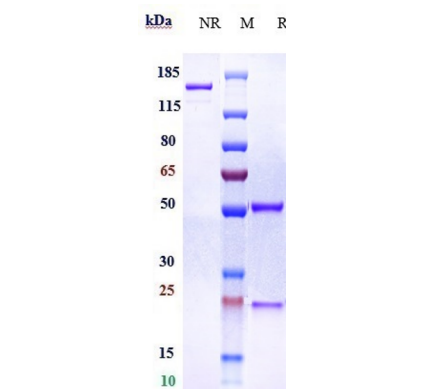
Additional Information

Target/Specificity	Complement Factor D
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

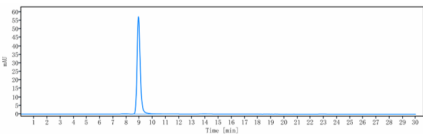
Protein Information

Name	CFD (HGNC:2771)
Synonyms	DF, PFD
Function	<p>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).</p>

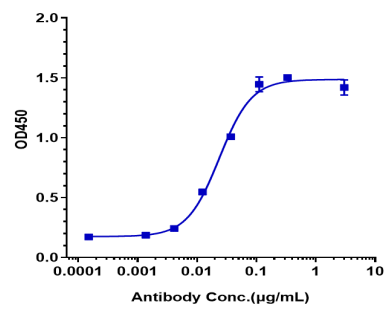
Images



Anti-Complement Factor D Reference Antibody (lampalizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-Complement Factor D Reference Antibody (lampalizumab) is more than 99.38% ,determined by SEC-HPLC.



Immobilized human Complement Factor D, Fc at 2 µg/mL can bind Anti-Complement Factor D Reference Antibody (lampalizumab),EC50=0.02371 µg/mL

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