Complement fragment 3c Antibody FITC Conjugated

Catalog No: #C06397F

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Complement fragment 3c Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Complement C3c alpha' chain fragment 1
Conjugates	FITC
Target Name	Complement fragment 3c
Other Names	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p; Complement C3; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3
Accession No.	Swiss-Prot#P01024NCBI Gene ID718
Uniprot	P01024
GeneID	718;
Excitation Emission	494nm 518nm
Cell Localization	Secreted
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

ICC=1:50-200 IF=1:50-200

Background

C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. Derived from proteolytic degradation of complement C3, C3a anaphylatoxin is a mediator of local inflammatory process. In chronic inflammation, acts as a chemoattractant for neutrophils (By similarity). It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. C3-beta-c: Acts as a chemoattractant for neutrophils in chronic inflammation. Acylation stimulating protein: adipogenic hormone that stimulates triglyceride (TG) synthesis and glucose transport in adipocytes, regulating fat storage and playing a role in postprandial TG clearance. Appears to stimulate TG synthesis via activation of the PLC, MAPK and AKT signaling pathways. Ligand for C5AR2. Promotes the phosphorylation, ARRB2-mediated internalization and recycling of C5AR2 (PubMed:837664, PubMed:29953, PubMed:959512, PubMed:1432298, PubMed:15833747, PubMed:16333141, PubMed:1961575).

Note: This product is for in vitro research use only