

Complement C3 Polyclonal ;Conjugated Antibody

Catalog No: #C42525



Package Size: #C42525-AF350 100ul #C42525-AF405 100ul #C42525-AF488 100ul
 #C42525-AF555 100ul #C42525-AF594 100ul #C42525-AF647 100ul
 #C42525-AF680 100ul #C42525-AF750 100ul #C42525-Biotin 100ul

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Description

Product Name	Complement C3 Polyclonal ;Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Complement C3 polyclonal antibody;.
Immunogen Description	Recombinant human Complement C3 protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1,C3,CPAMD1
Accession No.	Swiss-Prot#:P01024
Uniprot	P01024
GeneID	718;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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. Ref.5 Ref.11 Ref.14 Ref.15 Ref.16 Ref.22 Ref.25 Ref.30 Derived from proteolytic degradation of complement C3, C3a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. Ref.5 Ref.11 Ref.14 Ref.15 Ref.16 Ref.22 Ref.25 Ref.30 Acylation stimulating protein (ASP): 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 GPR77. Promotes the phosphorylation, ARRB2-mediated internalization and recycling of GPR77.

Note: This product is for in vitro research use only