

C5 Conjugated Antibody

Catalog No: #C31439



Package Size: #C31439-AF350 100ul #C31439-AF405 100ul #C31439-AF488 100ul
#C31439-AF555 100ul #C31439-AF594 100ul #C31439-AF647 100ul
#C31439-AF680 100ul #C31439-AF750 100ul #C31439-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	C5 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	most applications
Species Reactivity	Hu,Ms,Rt
Immunogen Description	Recombinant fusion protein of human C5 (NP_001726.2).
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C5; C5D; C5a; C5b; CPAMD4; ECLZB; complement C5
Accession No.	Swiss-Prot#:P01031NCBI Gene ID:727
Uniprot	P01031
GeneID	727;
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
Calculated MW	110kDa
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

This gene encodes a component of the complement system, a part of the innate immune system that plays an important role in inflammation, host homeostasis, and host defense against pathogens. The encoded preproprotein is proteolytically processed to generate multiple protein products, including the C5 alpha chain, C5 beta chain, C5a anaphylatoxin and C5b. The C5 protein is comprised of the C5 alpha and beta chains, which are linked by a disulfide bridge. Cleavage of the alpha chain by a convertase enzyme results in the formation of the C5a anaphylatoxin, which possesses potent spasmogenic and chemotactic activity, and the C5b macromolecular cleavage product, a subunit of the membrane attack complex (MAC). Mutations in this gene cause complement component 5 deficiency, a disease characterized by recurrent bacterial infections. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only