Rabbit anti-Human C3 Monoclonal Antibody | anti-C3 antibody

C3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312446	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot**

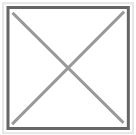
PRODUCT SYNONYMS

C3; Monoclonal Antibody; C3 Antibody; Acylation stimulating protein cleavage product antibody; AHUS5 antibody; ARMD9 antibody; ASP antibody; C3 and PZP like alpha 2 macroglobulin domain containing protein 1 antibody; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1 antibody; C3 antibody; CO3_HUMAN antibody; Complement C3 antibody; Complement C3c alpha" chain fragment 2 antibody; Complement component 3 antibody; Complement factor 3 antibody; CPAMD1 antibody; HEL S 62p antibody; anti-C3 antibody

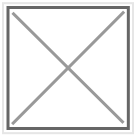
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JF10-30
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-C3 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HepG2 cells with C3 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



ICC (Immunocytochemistry)
ICC staining C3 in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



WB (Western Blot)
Western blot analysis of C3 on different lysates using anti-C3 antibody at 1/1, 000 dilution.
Positive control: Lane 1: HepG2 Lane 2: Hela

ADDITIONAL INFORMATION

Related Product Information for anti-C3 antibody	Complement C3 precursor contains complement C3 beta chain, complement C3 alpha chain, C3a anaphylatoxin, complement C3b alpha chain, complement C3c fragment, complement C3dg fragment, complement C3g fragment, complement C3d fragment and complement C3f fragment. C3a, C4a, and C5a are potent anaphylatoxins that are released during complement activation, a system of ligand-surface protein interactions specific to cells of hematopoietic lineage that aids in the elimination of pathogens. C3a and C5a secretion correlates with pathophysiological phenotypes such as asthma and bacterial meningitis. Binding of these proteins to their respective G protein-coupled receptors (C3aR, C5aR), which are present on the surface of myeloid leukocytes, induces proinflammatory events such as cellular degranulation, smooth muscle contraction, arachidonic acid metabolism, cytokine release, leukocyte activation and cellular chemotaxis. C3aR is expressed in brain and activated B-lymphocytes whereas C5aR is prevalent on the surface of hepatocyte, lung, smooth muscle, and endothelial cells. Upon activation, C3aR and C5aR are susceptible to rapid GRK-mediated phosphorylation and clathrin-coated vesicle targeting. C5aR utilizes the Ras-Raf-ERK1/2 cascade and couples to Gi/G16 proteins.
Product Categories/Family for anti-C3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	152012784
NCBI GeneID	718
UniProt Accession #	P01024; A7E236
Molecular Weight	187,148 Da
NCBI Official Full Name	Complement component 3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1
NCBI Protein Information	complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1
UniProt Protein Name	Complement C3
UniProt Gene Name	**C3**
UniProt Synonym Gene Names	CPAMD1; ASP
UniProt Entry Name	CO3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/c3-antibody-clone-jf10-30-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/312446