

Rabbit anti-Human CD55 Polyclonal Antibody | anti-CD55 antibody

CD55 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324637	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

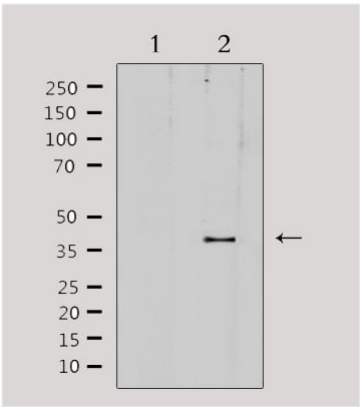
PRODUCT SYNONYMS

CD55; Polyclonal Antibody; CD55 Antibody; CD 55; CD55 antigen; CD55 Cromer blood group system; CD55 molecule (Cromer blood group); CD55 molecule; decay accelerating factor for complement (Cromer blood group); Cd55a; Complement decay accelerating factor; Complement decay-accelerating factor; GPI-anchored; CR; CROM; Cromer Blood Group antigen; Cromer blood group system; DAF; Daf-GPI; DAF_HUMAN; Daf1; Dcay accelerating factor for complement (CD55; Cromer blood group system); Decay accelarating factor 1; isoform CRA_a; Decay accelerating factor (GPI-form); Decay Accelerating Factor for Complement; Decay accelerating factor GPI-form; Decay accelerating factor soluble-form; GPI-DAF; TC; anti-CD55 antibody

PRODUCT SPECIFICATIONS

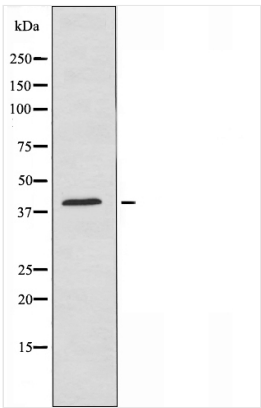
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CD55 antibody detects endogenous levels of total CD55
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	381
Applicable Applications for anti-CD55 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Expressed on the plasma membranes of all cell types that are in intimate contact with plasma complement proteins. It is also found on the surfaces of epithelial cells lining extracellular compartments, and variants of the molecule are present in body fluids and in extracellular matrix.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



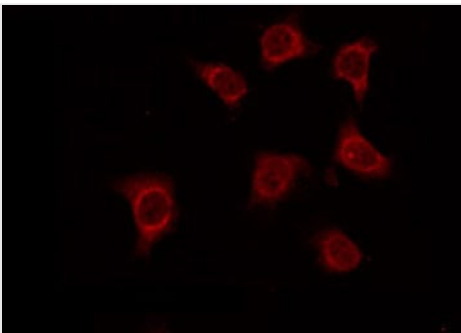
WB (Western Blot)

Western blot analysis of extracts from HeLa, using CD55 Antibody. Lane 1 was treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CD55 antibody.



IF (Immunofluorescence)

AAA324637 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD55 antibody

Function: This protein recognizes C4b and C3b fragments that condense with cell-surface hydroxyl or amino groups when nascent C4b and C3b are locally generated during C4 and c3 activation. Interaction of daf with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb and thereby prevents the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade (PubMed:7525274). Inhibits complement activation by destabilizing and preventing the formation of C3 and C5 convertases, which prevents complement damage (PubMed:28657829).
Subunit Structure: Monomer (major form) and non-disulfide-linked, covalent homodimer (minor form).
Post-translational Modifications: The Ser/Thr-rich domain is heavily O-glycosylated.
Similarity: The first Sushi domain (SCR1) is not necessary for function. SCR2 and SCR4 provide the proper conformation for the active site on SCR3 (By similarity). Belongs to the receptors of complement activation (RCA) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835143
NCBI GeneID	1604
NCBI Accession #	NP_000565.1
NCBI GenBank Nucleotide #	NM_000574.4
UniProt Accession #	P08174; P09679; P78361; Q14UF2; Q14UF3; Q14UF4; Q14UF5; Q14UF6; B1AP14; D3DT83; D3DT84; E7ER69

Molecular Weight	Observed: 41 kD Predicted: 42 kDa
NCBI Official Full Name	complement decay-accelerating factor isoform 1 preproprotein
NCBI Official Synonym Full Names	CD55 molecule (Cromer blood group)
NCBI Official Symbol	CD55
NCBI Official Synonym Symbols	CR; TC; DAF; CROM; CHAPLE
NCBI Protein Information	complement decay-accelerating factor
UniProt Protein Name	Complement decay-accelerating factor
UniProt Gene Name	CD55
UniProt Synonym Gene Names	CR; DAF

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://www.aaabiotech.com/polyclonal/cd55-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324637>