

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

CD55 Antibody (N-term)

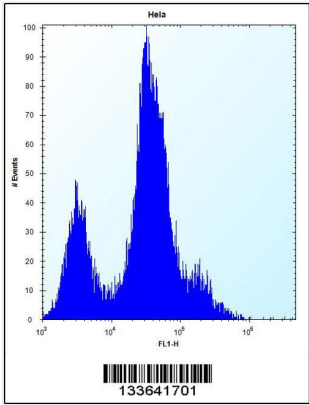
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284097	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

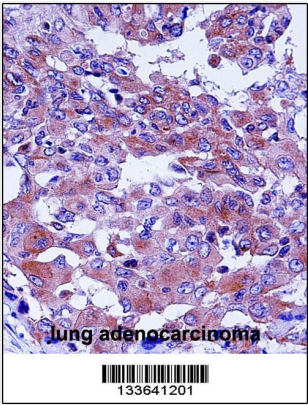
CD55; Polyclonal Antibody; CD55 Antibody (N-term); Complement decay-accelerating factor; CR; DAF; anti-CD55 antibody

PRODUCT SPECIFICATIONS

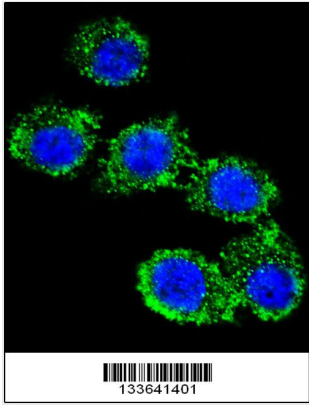
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD55 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-79 amino acids from the N-terminal region of human CD55.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	51-79
Sequence Length	381
Applicable Applications for anti-CD55 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



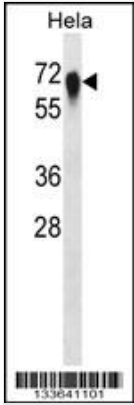
FCM/FACS (Flow Cytometry)
CD55 Antibody (N-term) flow cytometric analysis of HeLa cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
CD55 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung adenocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CD55 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of CD55 Antibody (N-term) with HeLa cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
CD55 Antibody (N-term) western blot analysis in HeLa cell line lysates (35ug/lane).This demonstrates the CD55 antibody detected the CD55 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CD55 antibody	This gene encodes a protein involved in the regulation of the complement cascade. The encoded glycoprotein is also known as the decay-accelerating factor (DAF); binding of DAF to complement proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. Antigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively spliced transcript produces a soluble protein present at much lower levels. Additional, alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq].
Product Categories/Family for anti-CD55 antibody	Immunology

References	Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) : Gustafsson, D.J., et al. Virology 405(2):474-482(2010) Alegretti, A.P., et al. Cell. Immunol. 265(2):127-132(2010) Kim, Y., et al. Ann. Clin. Lab. Sci. 40(3):226-232(2010) Storry, J.R., et al. Transfusion 43(3):340-344(2003)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10835143
NCBI GeneID	1604
NCBI Accession #	NP_000565.1; NP_001108224.1
NCBI GenBank Nucleotide #	NM_000574.4
UniProt Accession #	P08174; P09679; P78361; Q14UF2; Q14UF3; Q14UF4; Q14UF5; Q14UF6; B1AP14; D3DT83; D3DT84; E7ER69
Molecular Weight	41400
NCBI Official Full Name	complement decay-accelerating factor isoform 1 preproprotein
NCBI Official Synonym Full Names	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
NCBI Official Symbol	CD55
NCBI Official Synonym Symbols	CR; TC; DAF; CROM
NCBI Protein Information	complement decay-accelerating factor
UniProt Protein Name	Complement decay-accelerating factor
UniProt Gene Name	CD55
UniProt Synonym Gene Names	CR; DAF
UniProt Entry Name	DAF_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/polyclonal/cd55-antibody-flow-cytometry-immunohistochemistry-immunofluorescence-western-blot-elisa/284097>