

CD55 recombinant antibody

Anti-CD55 [LU30]

CATALOG # AAA71973	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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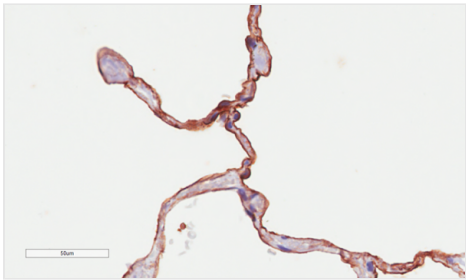
PRODUCT SYNONYMS

CD55; Monoclonal Recombinant Antibody; Anti-CD55 [LU30]; Complement decay-accelerating factor; DAF; CD55 recombinant antibody

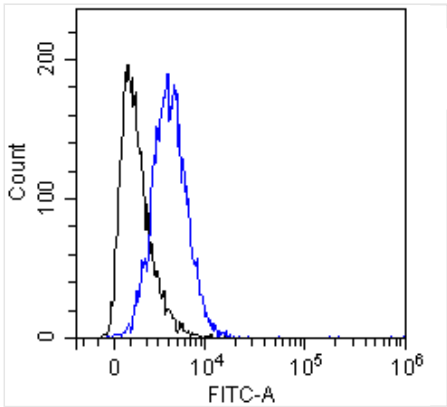
PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, lambda
Clone Number	LU30
Specificity	The antibody binds to CD55 with a Kd of 13 nM.
Purity/Purification	Purified Protein A Affinity Purified
Sequence Length	16
Applicable Applications for CD55 recombinant antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	Human CD55.
Antigen	CD55
Antigen Description	Human CD55.
Buffer Composition	PBS only with 0.02% Proclin 300.
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Human format, for improved compatibility with existing reagents, assays and techniques.
Publication Note	Describes the use of a human single-chainFv phage library to search tumor-associated antigens and the production of monoclonal antibodies against the antigens.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical staining of human lung tissue using anti-CD55 antibody LU30 Anti-CD55 (Complement decay-accelerating factor)staining of paraffin embedded human lung tissue using the rabbit-chimeric version of LU30 for 20 mins followed by DAB (3,3'-diaminobenzidine), and counter staining with haematoxylin. Strong staining of the epithelial surface of alveoli may be observed. Recommended concentration, 2-4 ug/ml.



FCM/FACS (Flow Cytometry)
Flow-cytometry using the anti-CD55 (Complement decay-accelerating factor) antibody LU-30 U93 cells were stained with unimmunized rabbit IgG antibody (black line) or the rabbit-chimeric version of LU-30 at a concentration of 10 ug/ml for 30 mins at RT. After washing, bound antibody was detected using an anti-rabbit IgG JK (FITC-conjugate) antibody (129936) at 2 ug/ml and cells analyzed on a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for CD55 recombinant antibody	Recombinant monoclonal antibody to CD55. Manufactured using Recombinant Platform with variable regions (i.e. specificity) from the scFv LU30.
Product Categories/Family for CD55 recombinant antibody	Tumour resistance; complement system; Immunology
References	Ridgway,J.B., Ng,E., Kern,J.A., Lee,J., Brush,J., Goddard,A. and Carter,P. Cancer Res. 59 (11),2718-2723 (1999) PMID:10363997

NCBI AND UNIPROT INFORMATION

NCBI GI #	639600
NCBI GeneID	1604
Molecular Weight	59,038 Da
NCBI Official Full Name	CD55, partial
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.