

Mouse CD55 Monoclonal Antibody | anti-CD55 antibody

MOUSE ANTI HUMAN CD55:FITC

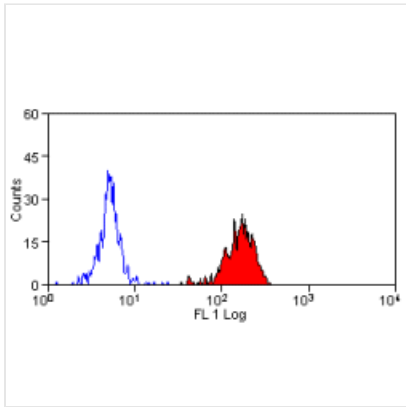
CATALOG # AAA49731	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

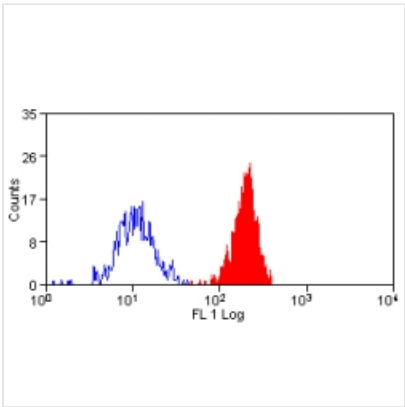
CD55; Monoclonal Antibody; MOUSE ANTI HUMAN CD55:FITC; anti-CD55 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	Bu14
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	381
Applicable Applications for anti-CD55 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD55



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ADDITIONAL INFORMATION

Related Product Information for anti-CD55 antibody	Mouse anti Human CD55 antibody, clone Bu14 recognizes human CD55, also known as Decay Accelerating Factor (DAF). CD55 is a glycosylphosphatidylinositol (GPI) anchored type I surface protein which prevents complement mediated lysis of autologous cells. CD55 functions to limit the formation and accelerate the decay of C3/C5-convertases from the classic and alternative pathway. The molecular weight of CD55 varies between 50 and 100kDa dependent on cell type. Alternative transcripts can lead to soluble DAF, which is detectable in plasma, tears, saliva, urine and cerebrospinal fluid. CD55 is the receptor for CD97, Echovirus and Coxsackie B virus, and has been linked to many diseases including multiple sclerosis, rheumatoid arthritis and cancer development.
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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	59,038 Da
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; CD55 antigen
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.