

Mouse CD58 Monoclonal Antibody | anti-CD58 antibody

MOUSE ANTI HUMAN CD58:FITC

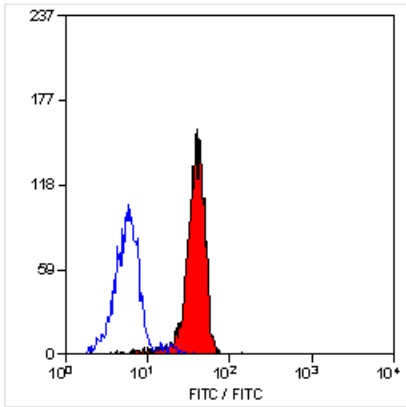
CATALOG # AAA49089	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

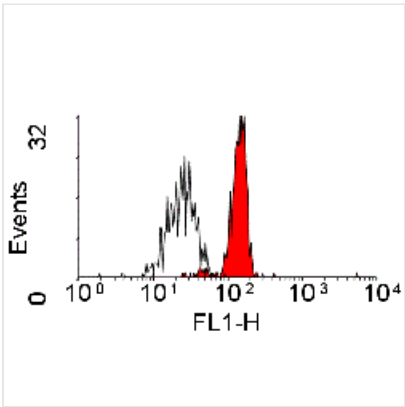
CD58; Monoclonal Antibody; MOUSE ANTI HUMAN CD58:FITC; anti-CD58 antibody

PRODUCT SPECIFICATIONS

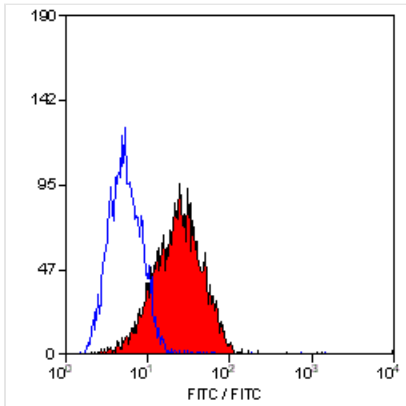
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	MEM-63
Specificity	CD58, or LFA-3, is a membrane glycoprotein of 55-70kD. It occurs in two forms, one transmembrane with a cytoplasmic domain, the other form anchored in the membrane via a glycosylphosphatidylinositol tail. The complete amino acid sequence of both forms has been deduced from cDNA. It is heavily N-glycosylated. CD58 is a cell adhesion molecule which plays a critical role in facilitation of antigen specific recognition through interaction with CD2 on T lymphocytes[1]. It is a member of the immunoglobulin superfamily of molecules. CD58 has a wide tissue distribution, being present on erythrocytes, platelets, monocytes, a subset of lymphocytes, bone marrow cells, epithelium and endothelial cells[2]. There are approximately 5,000 CD58 molecules on each erythrocyte. There is reduced expression of CD58 on haemopoietic cells in individuals with paroxysmal nocturnal haemoglobinuria.
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	248
Applicable Applications for anti-CD58 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 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. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



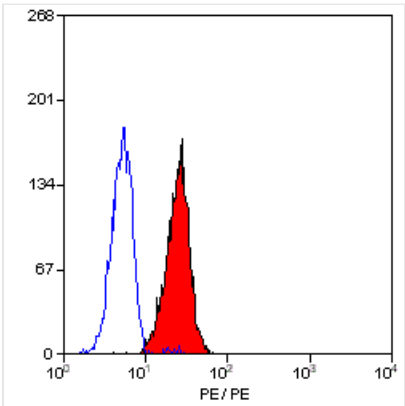
Application Data
Staining of human peripheral blood platelets with Mouse anti Human CD58:FITC (AAA49089)



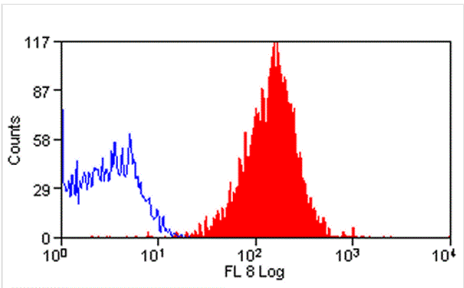
Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD58: Azide Free



Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD58



Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD58:RPE



Application Data
Staining of human peripheral blood granulocytes with Mouse anti Human CD58:APC

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316575
NCBI GeneID	965
NCBI Accession #	NP_001138294.1
NCBI GenBank Nucleotide #	NM_001144822.1
Molecular Weight	27,960 Da
NCBI Official Full Name	lymphocyte function-associated antigen 3 isoform 2
NCBI Official Synonym Full Names	CD58 molecule
NCBI Official Symbol	CD58

NCBI Official Synonym Symbols	ag3; LFA3; LFA-3
NCBI Protein Information	lymphocyte function-associated antigen 3; CD58 antigen, (lymphocyte function-associated antigen 3); surface glycoprotein LFA-3
UniProt Protein Name	Lymphocyte function-associated antigen 3
UniProt Gene Name	CD58
UniProt Synonym Gene Names	LFA3; Ag3
UniProt Entry Name	LFA3_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/cd58-antibody-clone-mem-63-flow-cytometry-elisa/49089>