

anti-Pig, Human CD58 Antibody | anti-CD58 antibody

Anti-Hu CD58 Purified

CATALOG # AAA129238	REACTIVITY Pig, Human	APPLICATIONS Flow Cytometry, Functional Assay
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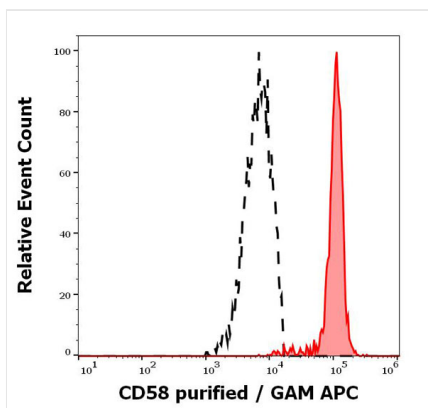
PRODUCT SYNONYMS

CD58; Anti-Hu CD58 Purified; CD58 molecule; LFA3; AG3; anti-CD58 antibody

PRODUCT SPECIFICATIONS

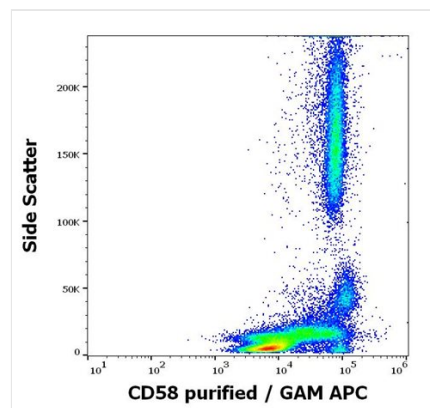
Reactivity	Pig, Human
Isotype	Mouse IgG1
Clone Number	MEM-63
Specificity	The antibody MEM-63 reacts with CD58 (LFA-3), a 40-70 kDa extracellular membrane glycoprotein distributed over many tissues, leukocytes, erythrocytes, endothelial cells, epithelial cells and fibroblasts.
Form/Format	Purified Purified by protein-A affinity chromatography. Phosphate buffered saline (PBS), pH 8.8, 15 mM sodium azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD58 antibody	FCM/FACS (Flow Cytometry)
Immunogen	NALM-6 human pre-B cell line
Preparation and Storage	Store at 2-8 degree C. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human monocytes (red-filled) from human CD58 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD58 (MEM-63) purified antibody (concentration in sample 1,67 ?g/ml, GAM APC).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD58 (MEM-63) purified antibody (concentration in sample 1,67 ?g/ml, GAM APC).

ADDITIONAL INFORMATION

Related Product Information for anti-CD58 antibody	CD58 (LFA-3) is an immunoglobulin family adhesion molecule expressed by both hematopoietic and non-hematopoietic cells (often on antigen presenting cells) and serving as ligand of CD2. This interaction is important for T cell-mediated immunity. CD58 is expressed in transmembrane form and in GPI-anchored form; the later is constitutively associated with protein kinases whereas the transmembrane form activates kinase activity upon triggering. CD58 is a powerful tool for detection of minimal residual disease in acute lymphocytic leukemia, and for evaluation of liver damage related with hepatitis B.
References	*Sheng L, Li J, Qi BT, Ji YQ, Meng ZJ, Xie M: Investigation on correlation between expression of CD58 molecule and severity of hepatitis B. World J Gastroenterol. 2006 Jul 14;12(26):4237-40., URL: https://www.ncbi.nlm.nih.gov/pubmed/16830383?ordin ,*Ariel O, Kukulansky T, Raz N, Hollander N: Distinct membrane localization and kinase association of the two isoforms of CD58. Cell Signal. 2004 Jun;16(6):667-73., URL: https://www.ncbi.nlm.nih.gov/pubmed/15093607?ordin ,*Veltroni M, De Zen L, Sanzari MC, Maglia O, Dworzak MN, Ratei R, Biondi A, Basso G, Gaipa G; I-BFM-ALL-FCM-MRD-Study Group: Expression of CD58 in normal, regenerating and leukemic bone marrow B cells: implications for the detection of minimal residual disease in acute lymphocytic leukemia. Haematologica. 2003 Nov;88(11):1245-52., URL: https://www.ncbi.nlm.nih.gov/pubmed/14607753?ordin ,*Bayas MV, Schulten K, Leckband D: Forced detachment of the CD2-CD58 complex. Biophys J. 2003 Apr;84(4):2223-33., URL: https://www.ncbi.nlm.nih.gov/pubmed/12668431?ordin ,

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316575
NCBI GeneID	965
NCBI Accession #	NP_001138294.1
NCBI GenBank Nucleotide #	NM_001144822.1
UniProt Accession #	P19256; Q5U053; Q6IB65; Q96KI9; A8K7G5
Molecular Weight	28,147 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; surface glycoprotein LFA-3; CD58 antigen, (lymphocyte function-associated antigen 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.