

Mouse CD59 Monoclonal Antibody | anti-CD59 antibody

MOUSE ANTI HUMAN CD59:RPE

CATALOG # AAA12022	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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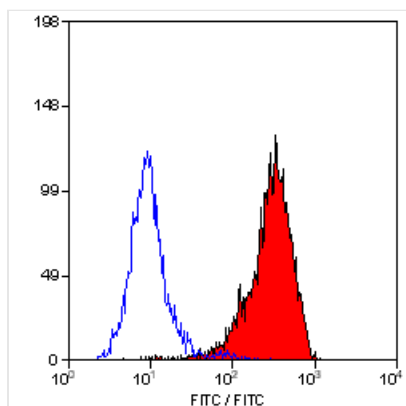
PRODUCT SYNONYMS

CD59; Monoclonal Antibody; MOUSE ANTI HUMAN CD59:RPE; anti-CD59 antibody

PRODUCT SPECIFICATIONS

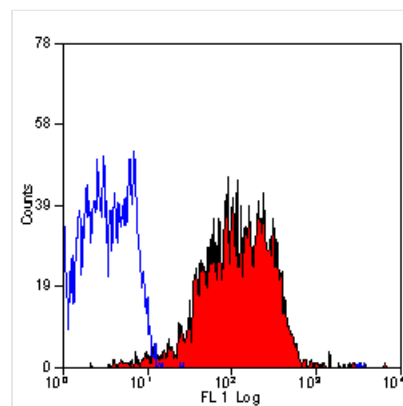
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	MEM-43
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	128
Applicable Applications for anti-CD59 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Maximum Dilution: Neat
Reconstitution	Reconstitute with 1.0 ml distilled water Perservative Stabilisers
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

IMAGES



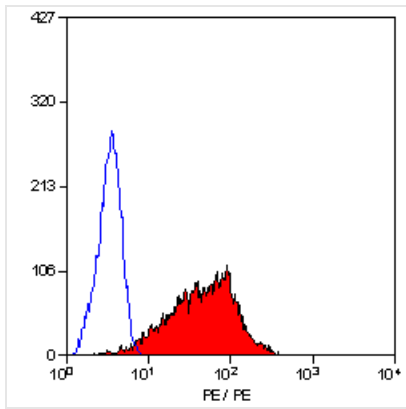
Application Data

Staining of KG1 lymphocytes with Mouse anti Human CD59:FITC



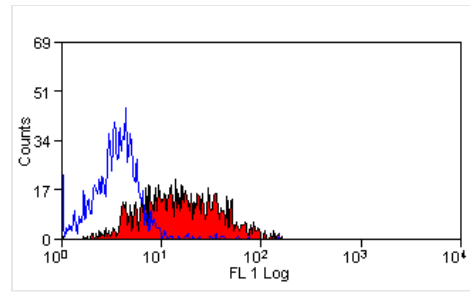
Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD59: Azide Free



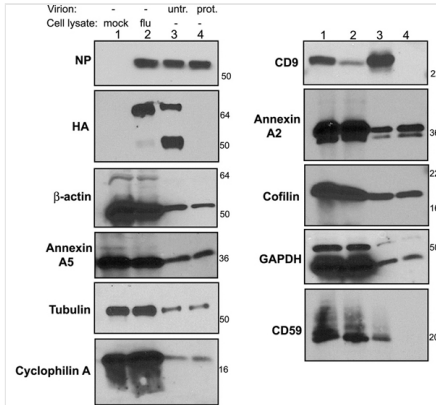
Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD59:RPE



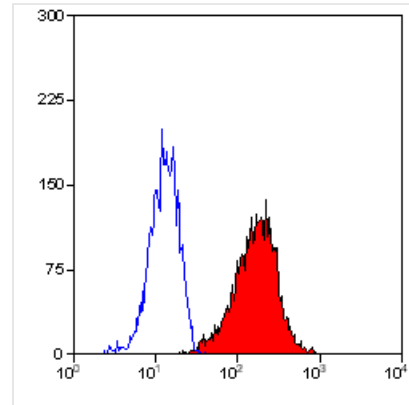
Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD59:Alexa Fluor488



Application Data

Published customer image: The effect of protease treatment on influenza virion associated host proteins. Purified influenza A/WSN/33 virus was either mock treated or subjected to overnight digestion with subtilisin followed by concentration through a sucrose cushion. 10 ug of mock infected cell lysate (lane 1) or influenza infected cell lysate (lane 2) and 2 ug of untreated influenza virions (lane 3) or protease treated influenza virions (lane 4) were then analyzed by western blot with antibodies against the indicated proteins. Numbers to the right are molecular weight markers. From: Shaw ML, Stone KL, Colangelo CM, Gulcicek EE, Palese P (2008) Cellular Proteins in Influenza Virus Particles. PLoS Pathog 4(6): e1000085.



Application Data

Staining of human peripheral blood granulocytes with Mouse anti Human CD59:Alexa Fluor 647

ADDITIONAL INFORMATION

Related Product Information for anti-CD59 antibody

Mouse anti Human CD59 antibody, clone MEM-43 reacts with a PI-linked glycoprotein, Mw 18-20kDa found on all types of leucocytes including platelets. The antigen is expressed on many haemopoietic and non-haemopoietic cells. MEM-43 has been shown to stimulate NK activity. CD59 is expressed by erythrocytes and therefore staining in whole blood systems requires a high concentration of antibody. The epitope recognized by Mouse anti Human CD59 antibody, clone MEM-43 is lost after reduction, therefore, non-reducing conditions are required for western blotting techniques.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835165
NCBI GeneID	966
NCBI Accession #	NP_000602.1
NCBI GenBank Nucleotide #	NM_000611.5
UniProt Accession #	P13987
Molecular Weight	14,177 Da
NCBI Official Full Name	CD59 glycoprotein preproprotein

NCBI Official Synonym Full Names	CD59 molecule, complement regulatory protein
NCBI Official Symbol	CD59
NCBI Official Synonym Symbols	1F5; EJ16; EJ30; EL32; G344; MIN1; MIN2; MIN3; MIRL; HRF20; MACIF; MEM43; MIC11; MSK21; 16.3A5; HRF-20; MAC-IP; p18-20
NCBI Protein Information	CD59 glycoprotein; 1F5 antigen; 20 kDa homologous restriction factor; CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344); Ly-6-like protein; MEM43 antigen; T cell-activating protein; human leukocyte antigen MIC11; lymphocytic antigen CD59/MEM43; membrane attack complex (MAC) inhibition factor; membrane attack complex inhibition factor; membrane inhibitor of reactive lysis; protectin; surface anitgen recognized by monoclonal antibody 16.3A5
UniProt Protein Name	CD59 glycoprotein
UniProt Gene Name	CD59
UniProt Synonym Gene Names	MIC11; MIN1; MIN2; MIN3; MSK21; HRF-20; HRF20; MAC-IP; MACIF; MIRL
UniProt Entry Name	CD59_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/cd59-antibody-clone-mem-43-flow-cytometry-elisa/12022>