

Mouse anti-Human CD59 Monoclonal Antibody | anti-CD59 antibody

Anti-Human CD59, (FITC) (Clone 1F5) (mouse IgG1)

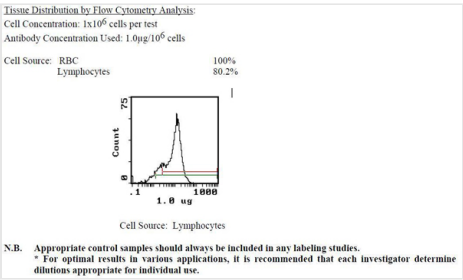
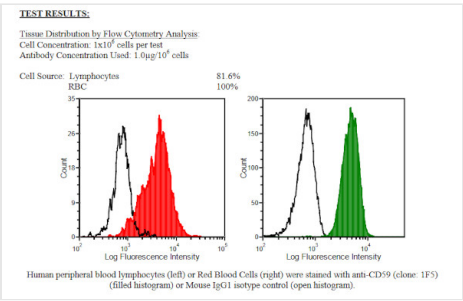
CATALOG # AAA14271	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

CD59; Monoclonal Antibody; Anti-Human CD59; (FITC) (Clone 1F5) (mouse IgG1); Anti-Human CD59 Monoclonal Antibody; anti-CD59 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	1F5
Specificity	CD59 (Protectin) (Human CD59)
Form/Format	FITC conjugated IgG buffered in PBS, 0.02% NaN ₃ and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml. No Azide: Purified Ig buffered in PBS, no preservative, 0.2um sterile filtered.
Concentration	0.1 mg/ml (varies by lot)
Sequence Length	128
Applicable Applications for anti-CD59 antibody	IHC (Immunohistochemistry)
Immunogen	Mouse pre-B tumour cells (RAW112)
Donor	Lewis rat spleen
Fusion Partner	S 194/5. XXO. BU-1
Hybridoma Production	Immunization: Immunogen: Neuraminidase-treated Human Erythrocytes (Neu-HuE) Donor: Balb/c spleen Fusion Partner: P3U- myeloma
Preparation and Storage	For all formats, store at 4 degree C. DO NOT FREEZE PE conjugates. For long term storage (Purified, Biotin, FITC, No Azide), aliquot and freeze unused portion at -20 degree C in volumes appropriate for single usage. Avoid freeze/thaw cycles.



Application Data

N.B. Appropriate control samples should always be included in any labeling studies.* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD59 antibody	CD59 (also known as HRF20, protectin) is a 20 kDa glycoprotein attached to the plasma membrane by a glycosylphosphatidylinositol (GPI) anchor. It blocks MAC formation in the complement pathway by interfering with C9 membrane insertion and polymerization, but it does not affect the generation of C3 and C5 activation products. CD59 is expressed on several cell types, including leukocytes, endothelial and epithelial cells, erythrocytes, and cells of the central nervous system. CD59 belongs to the Ly6 superfamily of proteins. This product is suitable for use in flow cytometry.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42716299
NCBI GeneID	966
NCBI Accession #	NP_976076.1
NCBI GenBank Nucleotide #	NM_203331.2
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; M1RL; HRF20; MAC1F; MEM43; MIC11; MSK21; 16.3A5; HRF-20; MAC-IP; p18-20
NCBI Protein Information	CD59 glycoprotein; protectin; 1F5 antigen; MEM43 antigen; Ly-6-like protein; T cell-activating protein; human leukocyte antigen MIC11; lymphocytic antigen CD59/MEM43; 20 kDa homologous restriction factor; membrane inhibitor of reactive lysis; membrane attack complex inhibition factor; membrane attack complex (MAC) inhibition factor; surface anitgen recognized by monoclonal antibody 16.3A5; CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)
UniProt Protein Name	CD59 glycoprotein
UniProt Gene Name	CD59
UniProt Synonym Gene Names	MIC11; MIN1; MIN2; MIN3; MSK21; HRF-20; HRF20; MAC-IP; MAC1F; M1RL
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.

