

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

Recombinant Anti-CD59 Antibody (PerCP), Rabbit Monoclonal

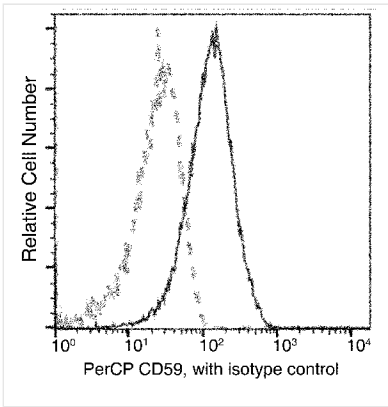
CATALOG # AAA255582	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

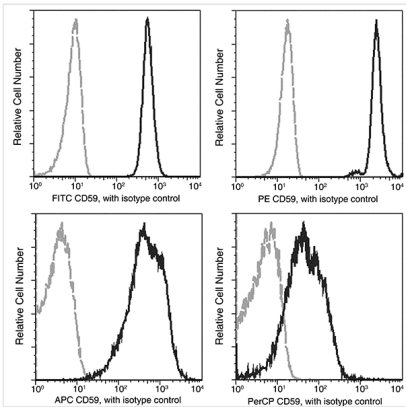
CD59; Monoclonal Antibody; Recombinant Anti-CD59 Antibody (PerCP); Rabbit Monoclonal; CD59 Antibody (PerCP); Rabbit MAb; CD59 molecule; Anti-16.3A5 Antibody; Anti-1F5 Antibody; Anti-EJ16 Antibody; Anti-EJ30 Antibody; Anti-EL32 Antibody; Anti-FLJ38134 Antibody; Anti-FLJ92039 Antibody; Anti-G344 Antibody; Anti-HRF-20 Antibody; Anti-HRF20 Antibody; Anti-MAC-IP Antibody; Anti-MACIF Antibody; Anti-MEM43 Antibody; Anti-MGC2354 Antibody; Anti-MIC11 Antibody; Anti-MIN1 Antibody; Anti-MIN2 Antibody; Anti-MIN3 Antibody; Anti-MIRL Antibody; Anti-MSK21 Antibody; Anti-p18-20 Antibody; anti-CD59 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	029
Specificity	Human CD59
Purity/Purification	Protein A
Form/Format	Liquid; Aqueous solution containing 0.5% BSA and 0.09% sodium azide
Concentration	10ul/Test, 0.1mg/ml (varies by lot)
Applicable Applications for anti-CD59 antibody	FCM/FACS (Flow Cytometry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human CD59 Protein
Conjugation	PerCP
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD59 (rh CD59) and conjugated with PerCP under optimum conditions, the unreacted PerCP was removed.
Preparation and Storage	This antibody can be stored at 2-8 degree C for twelve months without detectable loss of activity. Protected from prolonged exposure to light. Do not freeze! Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human CD59 expression on human whole blood lymphocytes. Cells were stained with PerCP-conjugated anti-Human CD59. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human CD59 expression on human whole blood lymphocytes. Cells were stained with PerCP-conjugated anti-Human CD59. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of viable lymphocytes.

ADDITIONAL INFORMATION

Related Product Information for anti-CD59 antibody	CD59 glycoprotein, also known as 2 kDa homologous restriction factor, HRF2, MAC-inhibitory protein, Membrane attack complex inhibition factor, Membrane inhibitor of reactive lysis, MIC11, MIRL and CD59, is a cell membrane protein which contains one UPAR/Ly6 domain. CD59 is a small, highly glycosylated, GPI-linked protein, with a wide expression profile. The soluble form of CD59 from urine retains its specific complement binding activity, but exhibits greatly reduced ability to inhibit MAC assembly on cell membranes. CD59 is a potent inhibitor of the complement membrane attack complex (MAC) action. CD59 was first identified as a regulator of the terminal pathway of complement. It acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. CD59 is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase. Defects in CD59 are the cause of CD59 deficiency (CD59D).
Product Categories/Family for anti-CD59 antibody	Complement Activation Pathways
References	Fletcher CM. et al., 1994, Structure. 2: 185-99. Rudd PM. et al., 1997, J Biol Chem. 272: 7229-44. Kimberley FC. et al., 2007, Mol Immunol. 44 (1-3): 73-81. Gong Y. et al., 2007, Sci China C Life Sci. 50 (6): 773-9. Picariello G. et al., 2008, Proteomics 8: 3833-47. Heibeck TH. et al., 2009, J Proteome Res. 8: 3852-61.

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; MIRL; HRF20; MACIF; 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 att
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd59-antibody-clone-029-flow-cytometry-elisa/255582>