Product Datasheet

CD59 Rabbit mAb

Catalog No: #49441

Package Size: #49441-1 50ul #49441-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

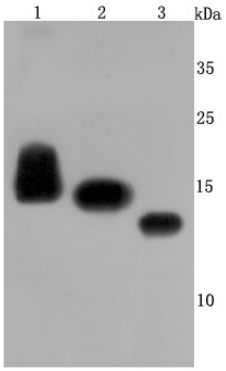
Description

Product Name	CD59 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-71
Purification	ProA affinity purified
Applications	WB, ICC/IF, FC,IP
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	16.3A5 antibody 1F5 antibody 1F5 antigen antibody 20 kDa homologous restriction factor antibody CD 59 antibody CD_antigen=CD59 antibody CD59 antibody CD59 antigen antibody CD59 antigen complement regulatory protein antibody CD59 antigen p18 20 antibody CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344) antibody CD59 glycoprotein antibody CD59 molecule antibody CD59 molecule complement regulatory protein antibody CD59_HUMAN antibody Cd59a antibody Complement regulatory protein antibody EJ16 antibody EJ30 antibody EL32 antibody FLJ38134 antibody FLJ92039 antibody G344 antibody HRF 20 antibody HRF-20 antibody HRF20 antibody Human leukocyte antigen MIC11 antibody Ly 6 like protein antibody Lymphocytic antigen CD59/MEM43 antibody MAC inhibitory protein antibody MAC IP antibody MAC-inhibitory protein antibody MAC-IP antibody MACIF antibody MACIP antibody MEM43 antibody MEM43 antigen antibody Membrane attack complex (MAC) inhibition factor antibody Membrane attack complex inhibition factor antibody Membrane inhibitor of reactive lysis antibody MGC2354 antibody MIC11 antibody MIN1 antibody MIN2 antibody MIN3 antibody MIRL antibody MSK21 antibody p18 20 antibody Protectin antibody Surface antigen recognized by monoclonal antibody 16.3A5 antibody T cell activating protein antibody
Accession No.	Swiss-Prot#:P13987
Uniprot	P13987
GeneID	966;
Calculated MW	14/20 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

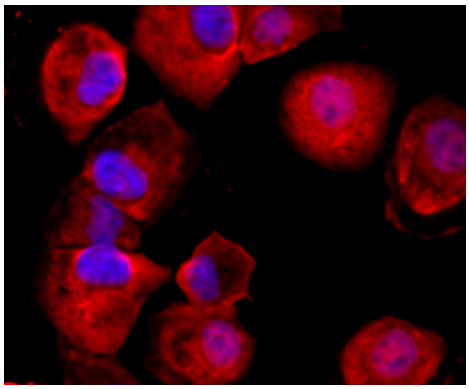
Application Details

WB: 1:1,000-5,000ICC: 1:100-1:500 IP: 1:10-1:50FC: 1:50-1:100

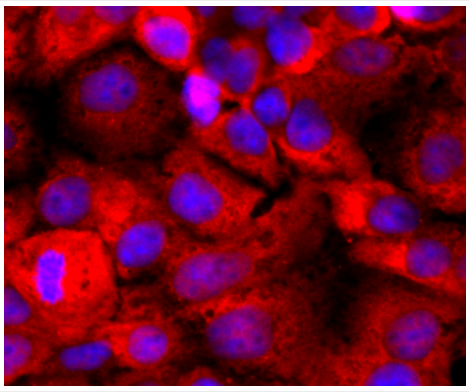
Images



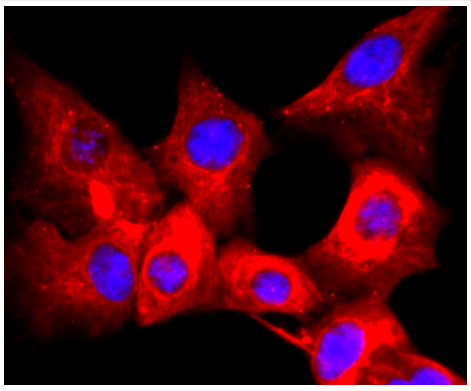
Western blot analysis of CD59 on different cells lysates using anti-CD59 antibody at 1/500 dilution. Positive control: Lane 1: Human placenta Lane 2: HUVEC Lane 3: K562



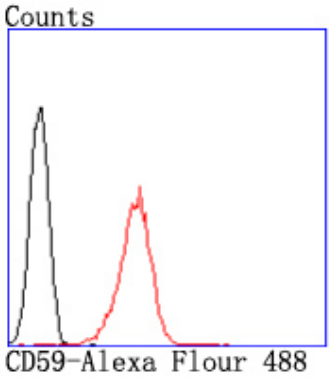
ICC staining CD59 in HUVEC cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD59 in JAR cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD59 in NIH-3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of NIH-3T3 cells with CD59 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

CD59 is a GPI-anchored glycoprotein that is expressed on leukocytes, vascular endothelial cells, various epithelial cells and placenta. CD59 acts together with CD58 in mediating T cell adhesion and activation, and it may be a second ligand of CD2. CD59 functions as a regulator of the terminal pathway of complement by binding to the C8/C9 components of the assembling membrane attack complex (MAC) on host cell membranes, to stop the formation of the lytic pore. CD59 also drives both calcium release and activation of lipid-raft associated signalling molecules such as tyrosine kinases. CD59 gene has two p53-responsive domains that may be implicated in the defense of host cells from damage by the complement system in inflammation, suggesting that p53 could be used to mediate susceptibility of tumor cells to the complement lysis during chemotherapy.

References

Note: This product is for in vitro research use only