

CD43 Recombinant Mouse mAb

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Catalog # AP94319

Product Information

Reactivity	Human
Host	Mouse
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a highly sialylated glycoprotein that functions in antigen-specific activation of T cells, and is found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It contains a mucin-like extracellular domain, a transmembrane region and a carboxy-terminal intracellular region. The extracellular domain has a high proportion of serine and threonine residues, allowing extensive O-glycosylation, and has one potential N-glycosylation site, while the carboxy-terminal region has potential phosphorylation sites that may mediate transduction of activation signals. Different glycoforms of this protein have been described. In stimulated immune cells, proteolytic cleavage of the extracellular domain occurs in some cell types, releasing a soluble extracellular fragment. Defects in expression of this gene are associated with Wiskott-Aldrich syndrome. [provided by RefSeq, Sep 2017]

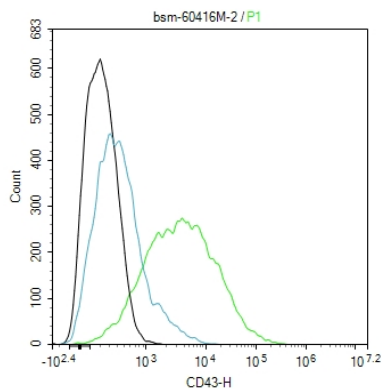
Additional Information

Dilution	ICC/IF=1:50-200,Flow-Cyt=1:50-100
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

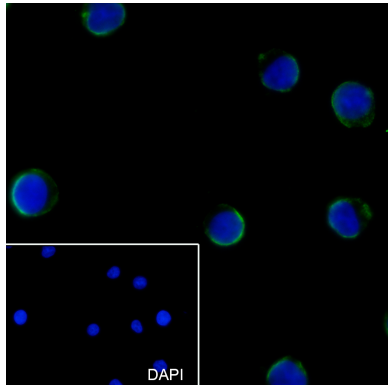
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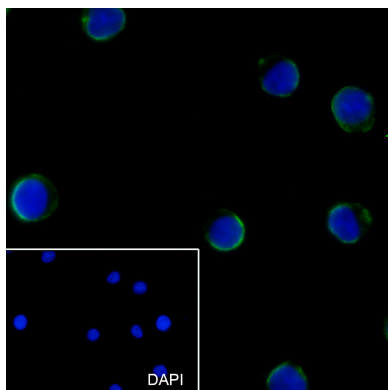
Images



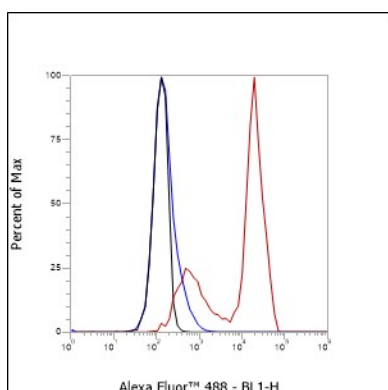
The Jurkat (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Mouse Anti-CD43 antibody (AP94319): 2 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-FITC (AP94319-FITC): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.



Cell line: Jurkat
Fixative: 4% Paraformaldehyde
Permeabilization: 0.1% Triton X-100
Primary Ab dilution: 1:50
Primary incubation condition: 4°C overnight
Secondary Ab: Goat Anti-Mouse IgG
Nuclear counter stain: DAPI (Blue)
Comment: Color green is the positive signal for AP94319



Cell line: Jurkat Fixative: 4% Paraformaldehyde
Permeabilization: 0.1% Triton X-100 Primary Ab dilution: 1:50 Primary incubation condition: 4°C overnight
Secondary Ab: Goat Anti-Mouse IgG Nuclear counter stain: DAPI (Blue) Comment: Color green is the positive signal for AP94319



Specimen: PBMC Fixative: Unfixed Permeabilization: None Primary Ab dilution: 1:100 Secondary Ab: Goat anti Mouse IgG Unlabelled control: The cell without incubation with primary antibody and secondary antibody (Black line). Isotype control: Mouse monoclonal IgG1 (Blue line). Comment: Line red is the positive signal for AP94319

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.