CD19 Rabbit mAb

Catalog No: #49388

Package Size: #49388-1 50ul #49388-2 100ul

Signalway Antibody
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Support: tech@signalwayantibody.com

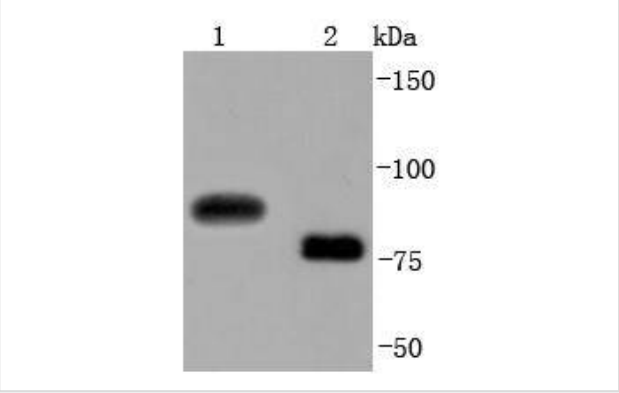
Description

Product Name	CD19 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SR4539
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	antibody deficiency due to defect in CD19, included antibody AW495831 antibody B lymphocyte antigen CD19 antibody B lymphocyte surface antigen B4 antibody B-lymphocyte antigen CD19 antibody B-lymphocyte surface antigen B4 antibody B4 antibody CD19 antibody CD19 antigen antibody CD19 molecule antibody Cd19 protein antibody CD19_HUMAN antibody CVID3 antibody Differentiation antigen CD19 antibody Leu 12 antibody Leu-12 antibody Leu12 antibody MGC109570 antibody MGC12802 antibody T-cell surface antigen Leu-12 antibody
Accession No.	Swiss-Prot#:P15391
Calculated MW	75-100 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

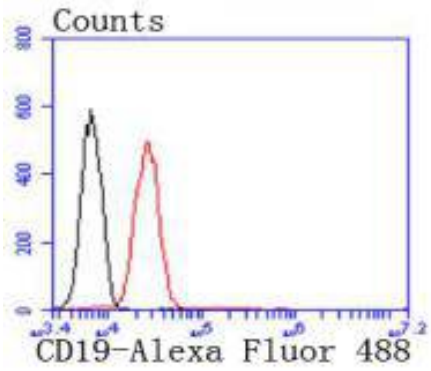
Application Details

WB: 1:1,000-5,000FC: 1:10-1:100

Images



Western blot analysis of CD19 on different lysates using anti-CD19 antibody at 1/1,000 dilution. Positive control: Lane 1: Rat brain Lane 2: 293



Flow cytometric analysis of Jurkat cells with CD19 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

CD19 is a transmembrane glycoprotein that contains two extracellular immunoglobulin-like domains. CD19 is selectively expressed on the cell surface of B-lymphocytes, where it activates intracellular signaling cascades involving both Ras and phosphatidylinositol 3-kinase pathways. Activation of CD19 results in cross-linking of the membrane protein immunoglobulin chains and the subsequent association with Src family protein tyrosine kinases (PTK). Expression of CD19 is continuous throughout B-cell development and through terminal differentiation of B-cells into plasma cells. CD19 forms functional complexes with B-lymphocyte surface proteins, including integrin b1, CD21 and CD81, which are involved in regulating B-cell development.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.