Product Datasheet

CD19 Rabbit mAb

Catalog No: #49388

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

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

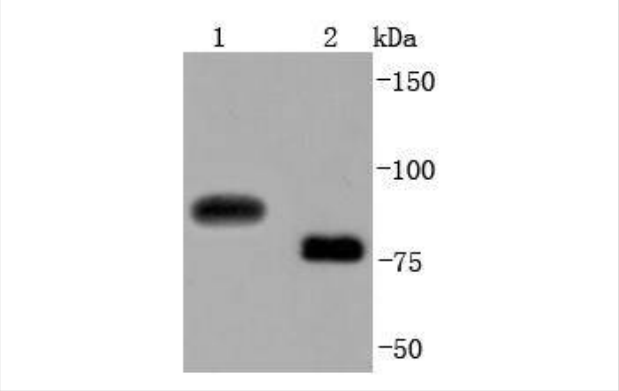
Description

Product Name	CD19 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF099-9
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
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
Uniprot	P15391
GeneID	930;
Calculated MW	75-100 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

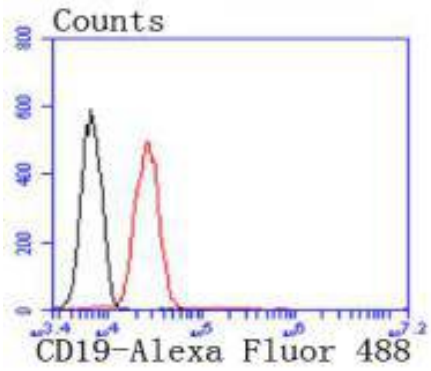
Application Details

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