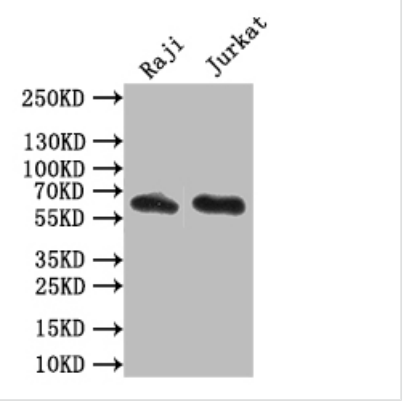
CD19 Recombinant Monoclonal Antibody

Product Code	CSB-RA004888MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P15391
Immunogen	Recombinant Human CD19 protein
Species Reactivity	Human
Tested Applications	ELISA, WB; Recommended dilution: WB:1:500-1:5000
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	Mouse IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology;Stem cells
Gene Names	CD19
Clone No.	27G9

Image



Western Blot
Positive WB detected in: Raji whole cell lysate,JK whole cell lysate
All lanes: CD19 antibody at 1:1000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 62 kDa
Observed band size: 62 kDa

Description

To create the recombinant monoclonal antibody directed against CD19, the first step involves the incorporation of CD19 antibody genes into plasmid vectors. These modified plasmid vectors are then introduced into suitable host cells for expression using exogenous protein expression technology. Following this, the CD19 recombinant monoclonal antibody undergoes purification using affinity chromatography. It has undergone rigorous validation for specific applications, including ELISA and WB. It is essential to note that this antibody binds to both

human and mouse CD19 proteins.

CD19 protein is a key co-receptor on the surface of B cells that plays a central role in B cell activation, differentiation, and regulation of the adaptive immune response. Its functions are critical for mounting effective immune responses to pathogens and maintaining immune system balance.