

CD19 Monoclonal Antibody

catalog number: AN200122P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

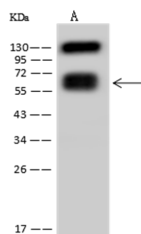
Reactivity	Human
Immunogen	Recombinant Human CD19 Protein
Host	Mouse
Isotype	IgG1
Clone	5F10
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot with CD19 Monoclonal Antibody at dilution of 1:500. Lane A: Daudi Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW:61 kDa

Calculated-MW:61 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

CD19 protein is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses. CD19 is expressed throughout B cell development from pre-B cells through mature B cells, and it is commonly used as a B cell lineage marker. It is required for the responsiveness of mature B cell to antigen stimulation, germinal center development, and antibody affinity maturation. The CD19 protein associates with the B cell antigen receptor (BCR), CD81, CD38, CD21, CD22, and IFITM1/CD225/Leu13. These associations enable CD19 to amplify B cell signaling and reduce the threshold for antigen stimulation through the BCR.

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