

Anti-CD19 Antibody (4J582)

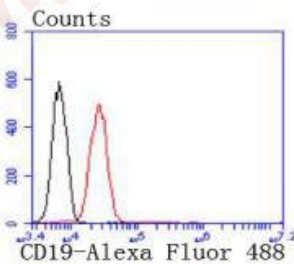
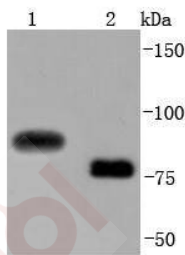
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 75-100 kDa.
Clone:	4J582
Purification:	ProA affinity purified

Applications

1. 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.
2. 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.

Verified Activity:



Application:	FCM,WB
Recommended	WB: 1:1000-5000; FCM: 1:10-100

Properties

- Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
- Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: P15391
Synonyms: CD19 molecule;CVID3;B4

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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