

Anti-CD19 Antibody (3F783)

Product Details

Ig Type:	mFc2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3F783
Purification:	Affinity-chromatography

Applications

Verified Activity:	Immunofluorescence staining of Hela cell with TMAH-00179 at 1:25, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Human IgG(H+L).
Application:	ELISA, IF
Recommended	IF:1:50-1:200.

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: Human CD19 Protein
Antigen Species:	Human
Gene ID:	930
Uniprot ID:	P15391
Synonyms:	B4;CVID3;CD19 molecule
Biology Area:	Immunology, Stem cells

Research Background

Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens. Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca(2+) stores. Is not required for early steps during B cell differentiation in the blood marrow. Required for normal differentiation of B-1 cells. Required for normal B cell differentiation and proliferation in response to antigen challenges. Required for normal levels of serum immunoglobulins, and for production of high-affinity antibodies in response to antigen challenge.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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