

Anti-CD19 Antibody (7Q387)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7Q387
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: Daudi whole cell lysate, Raji whole cell lysate-All lanes: CD19 antibody at 1:2000-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution-Predicted band size: 62 kDa-Observed band size: 95 kDa <p>2. IHC image of TMAH-00177 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p> <p>3. Immunoprecipitating CD19 in Raji whole cell lysate</p> <ul style="list-style-type: none">-Lane 1: Rabbit control IgG instead of TMAH-00177 in Raji whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)-Lane 2: TMAH-00177(2µg)+ Raji whole cell lysate(500µg)-Lane 3: Raji whole cell lysate (10µg)
Application:	ELISA, WB, IHC, IP
Recommended	WB:1:500-1:5000; IHC:1:50-1:200; IP:1:200-1:1000.

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: A synthetic peptide: Human CD19
Antigen Species: Human
Gene ID: 930
Uniprot ID: P15391
Synonyms: CVID3;CD19 molecule;B4
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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