

Anti-CD19 Antibody (9N706)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9N706
Purification:	Protein A purified

Applications

1. Western Blot

- Positive WB detected in: Raji whole cell lysate
- All lanes: CD19 antibody at 1:2000
- Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution
- Predicted band size: 61 kDa
- Observed band size: 95 kDa

2. Western Blot

- Positive WB detected in: Raji whole cell lysate
- All lanes: CD19 antibody at 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, 1:64000
- Secondary: Goat polyclonal to Mouse IgG at 1/10000 dilution
- Predicted band size: 61 kDa
- Observed band size: 95 kDa

3. IHC image of TMAH-00174 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ 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 biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Verified Activity:

4. IHC image of TMAH-00174 diluted at 1:100 and staining in paraffin-embedded human spleen tissue performed on a Leica Bond™ 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 biotinylated secondary antibody and visualized using an HRP conjugated SP system.

5. Immunofluorescence staining of Hela cells with TMAH-00174 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

6. Immunofluorescence staining of Raji cells with TMAH-00174 at 1:100, counter-stained with DAPI. The cells were blocked in 10% normal Goat Serum and then incubated with the primary antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

7. Overlay histogram showing Raji cells stained with TMAH-00174 (red line) at 1:100. The cells were incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4°C. The secondary antibody used was FITC goat anti-mouse IgG(H+L) at 1/200 dilution for 1 h at 4°C. Isotype control antibody (green line)

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was used under the same conditions. Acquisition of >10,000 events was performed.

Application: ELISA, WB, IHC, IF, FCM

Properties

Purity: >95%

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 (20-291AA)

Antigen Species: Human

Gene ID: 930

Uniprot ID: P15391

Synonyms: CVID3;CD19 molecule;B4

Biology Area: Immunology

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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