

CD19 Mouse monoclonal antibody

Catalog: MB9024

Host: Mouse

Reactivity: Human, mouse

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 $\beta 1$, CD21 and CD81, which are involved in regulating B-cell development.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 61, 95 kDa

Swiss-Prot:

P15391

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:500

IHC: 1:100-1:200

FC: 1:100-1:200

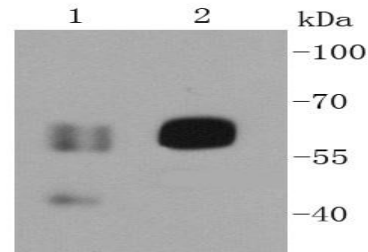
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of CD19 and does not cross-react with related proteins.

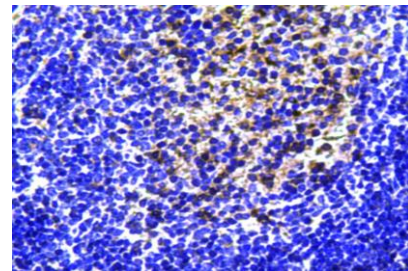
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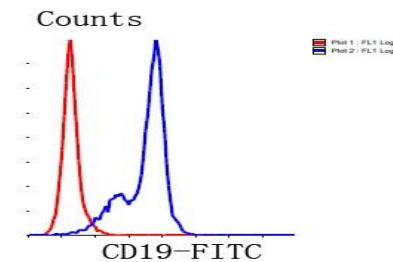
Western blot (WB) analysis of CD19 Mouse mAb at 1:500 dilution

Lane1:The tonsil tissue lysate of Mouse

Lane2:The lymphatic tissue lysate of Mouse



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-CD19 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Jurkat cells with CD19 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti mouse IgG (FITC) was used as the secondary antibody.

Note:

For research use only, not for use in diagnostic procedure.

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