

CD22 monoclonal antibody

Catalog: MB65765

Host: Mouse

Reactivity: Human

BackGround:

CD22 (also known as siglec-2) is a member of the sialic acid-binding immunoglobulin-type lectin (Siglec) family of immunomodulatory receptors. CD22 can bind to its ligand α 2,6-linked sialic acid on different cells (trans interaction) as well as on the same cells (cis interaction). CD22 is predominantly expressed on B cells and functions as an inhibitory co-receptor for the B cell receptor (BCR). After BCR ligation, the tyrosine kinase Lyn is activated and phosphorylates two distal of the four ITIM motifs in the intracellular carboxy-terminal region of CD22, which then recruit tyrosine phosphatases, including SHP-1, to the plasma membrane, and in turn, they get tyrosine-phosphorylated and activated to damp the signaling pathways initiated by BCR ligation. CD22 has been actively pursued as a therapeutic target for autoimmune diseases. Due to almost exclusive expression on B cells, it is also actively pursued as a therapeutic target for multiple B cell malignancies.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~ 95 kDa

Swiss-Prot:

P20273

Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF (1/50 - 1/200)

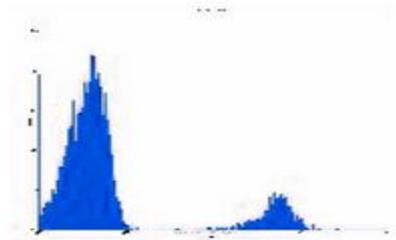
Storage&Stability:

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

Specificity:

Recognizes human CD22

DATA:



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD22 Antibody, followed by anti-mouse IgG PE.

Note:

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

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