

Datasheet

CD22 monoclonal antibody, clone MEM-01 (PE)

Catalog Number: MAB5034

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD22.

Clone Name: MEM-01

Immunogen: Native purified CD22 from Raji Burkitt's lymphoma cell line.

Host: Mouse

Theoretical MW (kDa): 130

Reactivity: Human, Primates

Applications: Flow Cyt

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with CD22 (BL-CAM), a 130 KDa type I transmembrane glycoprotein (immunoglobulin superfamily) expressed in the cytoplasm of pro-B and pre-B lymphocytes, and on the surface of mature and activated B lymphocytes.

Form: Liquid

Conjugation: PE

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension)

The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.2% BSA, 0.09% sodium azide)

Storage Instruction: Store in the dark at 4 °C. Do not freeze.

Avoid prolonged exposure to light.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 933

Gene Symbol: CD22

Gene Alias: FLJ22814, MGC130020, SIGLEC-2, SIGLEC2

References:

1. CD22: an inhibitory enigma. Walker JA, Smith KG. Immunology. 2008 Mar;123(3):314-25. Epub 2007 Dec 7.
2. Distinct endocytic mechanisms of CD22 (Siglec-2) and Siglec-F reflect roles in cell signaling and innate immunity. Tateno H, Li H, Schur MJ, Bovin N, Crocker PR, Wakarchuk WW, Paulson JC. Mol Cell Biol. 2007 Aug;27(16):5699-710. Epub 2007 Jun 11.
3. CD22: a multifunctional receptor that regulates B lymphocyte survival and signal transduction. Tedder TF, Poe JC, Haas KM. Adv Immunol. 2005;88:1-50.