CD22 monoclonal antibody, clone IS7

Catalog # MAB6471 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native CD22.
Immunogen	Native purified CD22 from Reh (Human cell line).
Host	Mouse
Theoretical MW (kDa)	130
Reactivity	Human
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-Blymphocytes, and on the surface of mature and activated B lymphocytes; it is lost on plasmacells, peripheral blood T lymphocytes, granulocytes and monocytes.
Form	Liquid
Concentration	1 mg/mL
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 300 mM NaCl, pH 7.4
Storage Instruction	Store at 4°C. Do not feeze. Avoid repeated freezing and thawing.

Applications

- Flow Cytometry

Gene Info — CD22

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Entrez GeneID	933
Gene Name	CD22
Gene Alias	FLJ22814, MGC130020, SIGLEC-2, SIGLEC2
Gene Description	CD22 molecule
Omim ID	107266
Gene Ontology	Hyperlink
Other Designations	CD22 antigen

Publication Reference

- CD22: an inhibitory enigma.

  Walker JA, Smith KG.

  Immunology 2007 Dec; 123(3):314.

- 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.

  Molecular and Cellular Biology 2007 Jun; 27(16):5699.

- CD22: a multifunctional receptor that regulates B lymphocyte survival and signal transduction.

  Tedder TF, Poe JC, Haas KM.

  Advances in Immunology 2005 Oct; 88:1.

  Application: Blocking, Func, Human, Daudi, Jurkat, Raji cells

Pathway

- B cell receptor signaling pathway
- Cell adhesion molecules (CAMs)
- Hematopoietic cell lineage

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Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Scleroderma

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