Recombinant Human CD22 Molecule, Extracellular Domain

Cat. No. CD22-960H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human solube CD22 molecule produced in*CHO*was a 75.0kDa (666 amino acid residues) protein which corresponds to the extracellular domain of CD22.
Species	Human
Source	CHO
Description	CD22 is a 135kDa B-cell restricted sialoglycoprotein that binds to oligosaccharides containing 2-6-linked sialic acid residues. It is present in the cytoplasm of nearly all B-lineage cells and is also expressed on the surface of B-cells during advance stages of differentiation. Although the exact physiological function of CD22 is unclear, it appears to play a role in B-cell activation and to act as an adhesion molecule. The potential therapeutic use of CD22 and anti-CD22 may be useful in diagnostic and/or treatment of leukemia, lymphoma, non-Hodgkin"s lymphoma and certain autoimmune conditions.
Purity	>95%by SDS-PAGE and HPLC analyses.
Endotoxin level	<0.1ng/ μg of sCD22.
Stabilizer	None.
Formulation	Lyophilized.
Biological Activity	Data not available at this time.

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Reconstitution	We recommended a quick spin followed by reconstitution in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at –20°C for future use.
Stability	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted sCD22 should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	CD22 CD22 molecule [Homo sapiens]
Synonyms	CD22 CD22 molecule; SIGLEC2; FLJ22814; SIGLEC-2; MGC130020; CD22 antigen; Siglec-2; B-cell receptor CD22; Sialic acid-binding Ig-like lectin 2; Siglec-2; Leu-14; B-lymphocyte cell adhesion molecule; BL-CAM
Gene ID	933
mRNA Refseq	NM_001771
Protein Refseq	NP_001762
MIM	107266
UniProt ID	P20273
Chromosome Location	19q13.1
Pathway	B cell receptor signaling pathway; Cell adhesion molecules (CAMs); Hematopoietic cell lineage

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Function	protein binding; sugar binding

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