

AR31157PU-N

Human CD22 - Purified

Alternate names:

B-cell receptor CD22, B-lymphocyte cell adhesion molecule, BL-CAM, Leu-14, SIGLEC2, Sialic acid-binding Ig-like lectin 2, Siglec-2

Quantity:

20 µg

Background:

CD22 is a 135 kDa 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. (Cesano A. and Gayko U. Semin. Oncol. Apr. 2003 (2): 253-257).

Uniprot ID:

[P20273](#)

NCBI:

[9606](#)

GenelD:

[933](#)

Species:

Human

Source:

CHO cells

Format:

State: Lyophilized purified protein

Purity: >98% by SDS-PAGE & HPLC analysis

Buffer System: PBS without stabilizers

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.

Description:

Recombinant Human CD22 is a soluble 75.0 kDa (666 amino acid residues) protein which corresponds to the extracellular domain of CD22.

AA Sequence:

SKWVFEHPET LYAWEGACVW IPCTYRALDG DLESFILFHN PEYNKN TSKF DGTRLYESTK
DGKVPSEQKR VQFLGDKNKN CTLSIHPVHL N DSGQLGLRM ESKTEKWMER IHLNVSERPF
PPHIQLPPEI QESQEVLT LTC LLNFSCYGY IQLQWLLEGV PMRQAATST SLTIKSVFTR SE
LKFSQWS HHGKIVTCQL QDADGKFLSN DTVQLNVKHT PKLEIKVT PS DAIVREGDSV
TMTCEVSSN PEYTTVSWLK DGTSLKKQNT FTL NLREVTQ DQSGKYCCQV SNDVGPGRSE
EVFLQVQYAP EPSTVQILH S PAVEGSQVEF LCMSLANPLP TNYTWYHNGK EMQGRTEEKV HIPK
ILPWAH GTYSCVAENI LGTGQRGPGA ELDVQYPPKK VTTVIQNPMP IREGDTVTLS CNYNSSNPVS
TRYEWKPHGA WEEPSLGVLK IQNVG WDNTT IACARCNSWC SWASPVALNV QYAPRDVRVR
KIKPLSEIHS GNSVSLQCDF SSSHPKEVQF FWEKNGRLLG KESQLNFDSI SPEDAG SYSC
WNNSIGQTA SKAWTLEVLV APRRLRVSMS PGDQVMEGKS A TLTCESDAN PPVSHYTWF
WNNQSLPHHS QKLRLEPVKV QHSGAYW CQG TNSVGKGRSP LSTLTVYYSP ETIGRR

Biological Activity: Determined by its ability to inhibit the proliferation of Raji cells.

The expected ED50 for this effect is 10-17 µg/ml.

Molecular weight: 75 kDa (666 amino acids)

Add. Information:

Centrifuge vials before opening!

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.