

sCD22, Human recombinant protein
Leu-14, B-Lymphocyte cell adhesion molecule, BL-CAM, Siglec-2
Catalog # PBV10758r

Specification

sCD22, Human recombinant protein - Product info

Primary Accession [P20273](#)
Calculated MW ~75 kDa kDa

sCD22, Human recombinant protein - Additional Info

Gene ID 933
Gene Symbol CD22
Other Names
Leu-14, B-Lymphocyte cell adhesion molecule, BL-CAM, Siglec-2

Gene Source Human
Source CHO cells
Assay&Purity SDS-PAGE; ≥98%
Assay2&Purity2 HPLC;
Recombinant Yes
Sequence SKWVFEHPET LYAWEGACVW IPCTYRALDG
DLESFILFHN PEYNKNTSKF DGTRLYESTK
DGKVPSEQKR VQFLGDKNKN CTLSIHPVHL
NDSGQLGLRM ESKTEKWMER IHLNVSERPF
PPHIQLPPEI QESQEVTLTC LLNFSCYGY
IQLQWLLEGV PMRQAAVTST SLTIKSVFTR
SELKFSPQWS HHGKIVTCQL QDADGKFLSN
DTVQLNVKHT PKLEIKVTPS DAIVREGDSV
TMTCEVSSSN PEYTTVSWLK DGTSLKKQNT
FTLNLREVTK DQSGKYCCQV SNDVGPGRSE
EVFLQVQYAP EPSTVQILHS PAVEGSQVEF
LCMSLANPLP TNYTWYHNGK EMQGRTEEKV
HIPKILPWAH GTYSCVAENI LGTGQRGPGA
ELDVQYPPKK VTTVIQNPMP IREGDTVTL
CNYNSSNPSV TRYEWKPHGA WEEPSLGVLK
IQNVGWDNTT IACARCNSWC SWASPVALNV
QYAPRDVRVR KIKPLSEIHS GNSVSLQCDF
SSSHPKEVQF FWEKNGRLLG KESQLNFDSI
SPEDAGSYSC WVNNSIGQTA SKAWTLEVLY
APRRRLRVSMS PGDQVMGKKS ATLTCESDAN
PPVSHYTWFD WNNQSLPHHS QKLRLEPVKV
QHSGAYWCQG TNSVGKGRSP LSTLTVYYSP
ETIGRR

Target/Specificity
sCD22

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is

recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 1X PBS, pH 7.2.

sCD22, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

sCD22, Human recombinant protein - Images**sCD22, Human recombinant protein - Background**

CD22 is a B-lineage restricted 135 kDa glycoprotein whose cell surface expression is limited to resting and activated B lymphocytes. The physiological role of CD22 is still unknown. Targeted disruption of CD22 in mice results in a reduced level of surface IgM on peripheral B cells suggesting a role for CD22 in limiting antigen receptor signaling. CD22 is a member of the Ig gene superfamily that uniquely binds a sialic acid-dependent ligand. Recombinant human CD22 is a soluble 75.0 kDa protein which corresponds to the extracellular domain of CD22.

sCD22, Human recombinant protein - References

Stamenkovic I., et al. Nature 345:74-77(1990).
Wilson G.L., et al. J. Exp. Med. 173:137-146(1991).
Wilson G.L., et al. J. Immunol. 150:5013-5024(1993).
Suzuki Y., et al. Submitted (JUL-2006) to the EMBL/GenBank/DDBJ databases.
Grimwood J., et al. Nature 428:529-535(2004).