

## 32-20535: Recombinant Human sCD22(Discontinued)

**Reactivity :** Human

**Alternative Name :** soluble CD22, Leu-14, B-lymphocyte cell adhesion molecule, BL-CAM, Siglec-2

### Description

#### Source:CHO cells

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.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** SKWVFEHPET LYAWEGACVW IPCTYRALDG DLESFILFHN PEYNKNTSKF DGTRLYESTK DGKVPSEQKR  
VQFLGDKNKN CTLSIHPVHL NDSGQLGLRM ESKTEKWMER IHLNVSERPF PPHIQLPPEI QESQEVTLTC  
LLNFSCYGYP 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 IREGDTVTLN  
CNYNSSNPSV TRYEWKPHGA WEEPSLGVLK IQNVGWDNNT IACARCNSWC SWASPVALNV  
QYAPRDVRVR KIKPLSEIHS GNSVSLQCDF SSSHPKEVQF FWEKNGRLLG KESQLNFDSDI SPEDAGSYSC  
WVNSIGQTA SKAWTLEVLY APRRLRVSMS PGDQVMGKKS ATLTCESDAN PPVSHYTWFD  
WNNQSLPHHS QKLRLEPVKV QHSGAYWCQG TNSVGKGRSP LSTLTVYYSP ETIGRR

### Application Note

Determined by its ability to inhibit the proliferation of Raji cells. The expected  $ED_{50}$  for this effect is 10-17  $\mu$ g/ml.