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Product datasheet for TP723390

CD22 (NM_001771) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human CD22 molecule (CD22), transcript variant 1.
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	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 HIPKILPWHA GTYSCVAENI LGTGQRGPGA ELDVQYPPKK VTTVIQNPMP IREGDTVTLS CNYNSSNPSV TRYEWKPHGA WEEPSLGVLK IQNVGWDNTT IACARCNSWC SWASPVALNV QYAPRDVRVR KIKPLSEIHS GNSVSLQCDF SSSHPKEVQF FWEKNGRLLG KESQLNFDSI SPEDAGSYSC WVNNSIGQTA SKAWTLEVLY APRRLRVSMS PGDQVMEGKS ATLTCESDAN PPVSHYTWFD WNNQSLPHHS QKLRLEPVKV QHSGAYWCQG TNSVGKGRSP LSTLTVYYSP ETIGRR
Tag:	Tag Free
Predicted MW:	75 kDa
Purity:	>98 % as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 1 PBS, pH 7.2
Bioactivity:	Determined by its ability to inhibit the proliferation of Raji cells. The expected ED50 for this effect is 10-17ug/mL.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Reconstitution Method:	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1 - 1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example: 0.1 % BSA) and store in aliquots at -20°C to -80°C.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.

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RefSeq:	NP_001762
Locus ID:	933
UniProt ID:	P20273, Q0EAF5
Cytogenetics:	19q13.12
Synonyms:	SIGLEC-2; SIGLEC2
Summary:	Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site can be masked by cis interactions with sialic acids on the same cell surface. Upon ligand induced tyrosine phosphorylation in the immune response seems to be involved in regulation of B-cell antigen receptor signaling. Plays a role in positive regulation through interaction with Src family tyrosine kinases and may also act as an inhibitory receptor by recruiting cytoplasmic phosphatases via their SH2 domains that block signal transduction through dephosphorylation of signaling molecules. [UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	B cell receptor signaling pathway, Cell adhesion molecules (CAMs), Hematopoietic cell lineage

Product images: