

Recombinant Human CD22

Cat. No. CD22-27297TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 22/686 of the extracellular domain of human CD22.
Species	Human
Source	CHO
Description	CD22 or cluster of differentiation-22, is a molecule belonging to the SIGLEC family of lectins. It is found on the surface of mature B cells and to a lesser extent on some immature B cells.
Tissue specificity	B-lymphocytes.
Form	Lyophilised: Reconstitute in water to a concentration of 0.1-1.0 mg/ml
Purity	>95% by SDS-PAGE
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	SKWVFEHPET LYAWEGACVW IPCTYRALDG DLESFILFHN PEYNKNTSKF DGTRLYES TK DGKVPSEQKR VQFLGDKNKN CTLSIHPVHL NDSGQLGLRM ESKTEKWMER IHLNVSERPF PPHIQLPPEI QESQEVTLTC LLNFSCYGY IQLQWLLEGV PMRQAAVTST SLTIKSVFTR SELKFSPQWS HHGKIVTCQL QDADGKFLSN DTVQLNVKHT PKLEIKVTPS DAIVREGDSV TMTCEVSSSN

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PEYTTVSWLK DGTSLKKQNT FTLNLREVTQ DQSGKYCCQV SNDVGPGRSE
 EVFLQVQYAP EPSTVQILHS PAVEGSQVEF LCMSLANPLP TNYTWYHNGK
 EMQGRTEEKV HIPKILPWAH GTYSCVAENI LGTGQRGPGA ELDVQYPPKK
 VTTVIQNPMP IREGDTVTLN CNYNSSNPSV TRYEWKPHGA WEEPSLGVLK
 IQNVGWDNTT IACARCNSWC SWASPVALNV QYAPRDVRVR KIKPLSEIHS
 GNSVSLQCDF SSSHPKEVQF FWEKNGRLLG KESQLNFDSD SPEDAGSYSC
 WVNNSIGQTA SKAWTLEVLY APRRLRVSMS PGDQVMGKKS ATLTCESDAN
 PPVSHYTWFD WNNQSLPHHS QKLRLEPVKV QHSGAYWCQG TNSVGKGRSP
 LSTLTVYYSP ETIGRR

**Sequence
Similarities**

Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family. Contains 6 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.

GENE INFORMATION

Gene Name CD22 CD22 molecule [Homo sapiens]

Official Symbol CD22

Synonyms CD22; CD22 molecule; CD22 antigen; B-cell receptor CD22; sialic acid binding Ig like lectin 2; SIGLEC 2; SIGLEC2;

Gene ID 933

mRNA Refseq NM_001185099

Protein Refseq NP_001172028

MIM 107266

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Uniprot ID	P20273
Chromosome Location	19q13.1
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem;
Function	protein binding; sugar binding;

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