sCD22 Human Chinese Hamster Ovary Cells (CHO)

Product Data Sheet

Type: Recombinant
Source: Chinese Hamster Ovary Cells (CHO)
Species: Human
Other names: ,

Cat. No.:

RBG10096005	(5 µg)
RBG10096020	(20 µg)
RBG10096100	(100 µg)

Description

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.

Research topic

Immune Response, Infection and Inflammation, Oncology

Amino Acid Sequence

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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
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Source

Chinese Hamster Ovary Cells (CHO)

Purity

98%

Biological Activity

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

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

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 working aliquots at -20°C to -80°C

Storage, Stability/Shelf Life

-20°C

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