

Siglec-2/CD22 Protein, Mouse (AAA02562.1, HEK293, His)

Cat. No.:	HY-P72474
Synonyms:	B-cell receptor CD22; BL-CAM; Siglec-2; CD22; Lyb-8
Species:	Mouse
Source:	HEK293
Accession:	AAA02562.1 (S22-R702)
Gene ID:	12483
Molecular Weight:	100-120 kDa

PROPERTIES

AA Sequence

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SANDWTV DHP      QTLFAWEGAC      IRIPCKYKTP      LPKARLDNIL
LFQNYEFDKA      TKKFKGTVLY      NKAPELYPP      KQRRVTF LGN
SIDNCTLKI H      PIRANDSGNL      GLRMTAGTER      WMEPIHLNVS
EKPFQPYIQM      PSEIRESQSV      TLT CGLNFSC      FEYDILLQWF
LEDSKITSVT      PSVTSITSSV      TSSIKNVYTE      SKLTFQPKWT
DHGKSVKCV      QHSSEVLSER      TVRLDVKYTP      KLEIKVNPTE
VEKNNSVTMT      CRVNSSNPKL      RTVAVSWFKD      GRPLEDQELE
QEQQMSKLIL      HSVTKDMRGK      YRCQASNDIG      PGESEEV ELT
VHYAPEPSRV      HIYPSPAE EG      QSVELICESL      ASPSATNYTW
YHNRKPIPGD      TQEKLRIPKV      SPWHAGNYSC      LAENRLGHGK
IDQEA KLDVH      YAPKAVTTVI      QSFTPILEGD      SVTLVCRYNS
SNPDVTSYRW      NPQGS GSVLK      PGVLR IQKVT      WDSMPVSCAA
CNHKCSWALP      VILNVHYAPR      DVKVLKVSPA      SEIRAGQRVL
LQC DFAESNP      AEVRF FWKKN      GSLVQEGRYL      SFGSVSPEDS
GNYNCMVNNS      IGETLSQAWN      LQVLYAPRRL      RVSISP GDHV
MEGKKATLSC      ESDANPPISQ      YTWFDSSGQD      LHSSGQKLRL
EPL EVQHTGS      YRCKGTNGIG      TGESPPSTLT      VYYS PETIGK
R
  
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Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION**Background**

Siglec-2/CD22 Protein is a B-cell restricted glycoprotein that is expressed in the cytoplasm of progenitor B and pre-B cells and on the surface of mature B cells^[2]. Siglec-2/CD22 Protein is an adhesion molecule that preferentially binds alpha 2,6-linked sialic acid on the same (cis) or adjacent (trans) cells^[3]. Siglec-2/CD22 Protein is a coreceptor that physically interacts with B-cell receptor (BCR) and is rapidly phosphorylated upon BCR ligation. It negatively regulates BCR signals by recruiting tyrosine phosphatase SHP-1 to its ITIMs^[4].

Caution: Product has not been fully validated for medical applications. For research use only.

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