

B-Cell Receptor CD22 (CD22) Active Protein | CD22 active protein

Recombinant Human B-Cell Receptor CD22 (CD22), Partial (Active)

CATALOG #
AAA243725

HOST
Mammalian cell

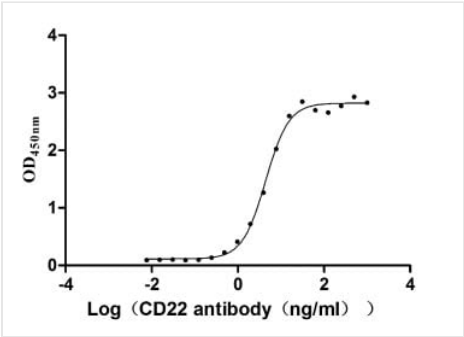
PRODUCT SYNONYMS

B-Cell Receptor CD22 (CD22); Recombinant Human B-Cell Receptor CD22 (CD22); Partial (Active); B-lymphocyte cell adhesion molecule; BL-CAM; Sialic acid-binding Ig-like lectin 2; Siglec-2; T-cell surface antigen Leu-14; CD22; CD22 active protein

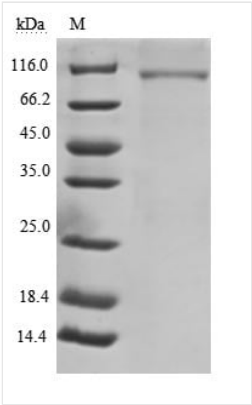
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
Sequence Positions	20-687aa; Partial
Sequence	DSSKWWFEHP ETLYAWEGAC VWIPCTYRAL DGDLESFILF HNPEYNKNTS KFDGTRLYES TKDGKVPSEQ KRVQFLGDKN KNCTLSIHPV HLNDGSQLGL RMESKTEKWM ERIHLNVSER PFPPHIQLPP EIQUESQEVTL TCLLNFCYGY YPIQLQWLLG GVPMRQAAVT STSLTIKSVF TRSELKFSPQ WSHHGKIVTC QLQDADGKFL SNDTVQLNVK HTPKLEIKVT PSDAIVREGD SVTMTCEVSS SNPEYTTVSW LKDGTSCLKQ NTFTLNLREV TKDQSGKYCC QVSNVGVGPR SEEVFLQVQY APEPSTVQIL HSPAVERGSQV EFLCMSLANP LPTNYTWYHN GKEMQGRTEE KVHIPKILPW HAGTYSVAE NILGTGQRGP GAELDVQYPP KKVTTVIQNP MPIREGDTVT LSCNYNSSNP SVTRYEWKPH GAWEEPVLGV LKIQNVGWDN TTIACAACNS WCSWASPVAL NVQYAPRDVR VRKIKPLSEI HSGNSVSLQC DFSSSHPKV QFFWEKNGRL LGKESQLNFD SISPEDAGSY SCWVNNSIGQ TASKAWTLEV LYAPRRLRVS MSPGDQVMG KSAITLTCESD ANPPVSHYTW FDWNNQSLPY HSQKLRLPEV KVQHGSGAYWC QGTNSVGKGR SPLSTLTYYY SPETIGRR
Sequence Length	759
Species	Human
Tag	C-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD22 at 2 ug/ml can bind Anti-CD22 rabbit monoclonal antibody, the EC50 of human CD22 protein is 4.034-4.800 ng/ml.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



Bioactivity



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for CD22 active protein	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.
Product Categories/Family for CD22 active protein	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	297374825
NCBI GeneID	933
NCBI Accession #	NP_001172028.1
NCBI GenBank Nucleotide #	NP_001172028.1
UniProt Accession #	P20273
Molecular Weight	77.9 kDa
NCBI Official Full Name	B-cell receptor CD22 isoform 2
NCBI Official Synonym Full Names	CD22 molecule
NCBI Official Symbol	CD22
NCBI Official Synonym Symbols	SIGLEC2; SIGLEC-2
NCBI Protein Information	B-cell receptor CD22
UniProt Protein Name	B-cell receptor CD22
UniProt Gene Name	CD22
UniProt Synonym Gene Names	SIGLEC2; BL-CAM; Siglec-2
UniProt Entry Name	CD22_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mammalian-cell-active-protein/b-cell-receptor-cd22-cd22/243725>