

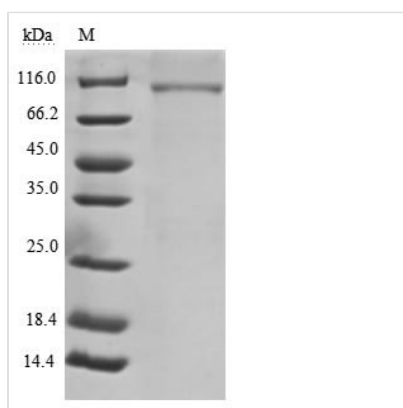


# Recombinant Human B-cell receptor CD22 (CD22), partial (Active)

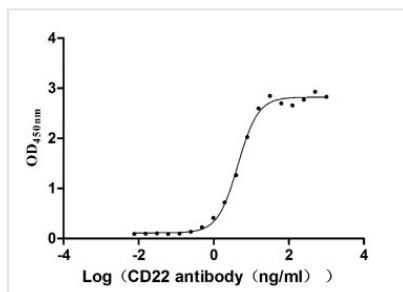
<b>Product Code</b>	CSB-MP004900HU
<b>Relevance</b>	<p>Mediates B-cell B-cell interactions. May be involved in the localization of B-cells in lymphoid tissues. Binds sialylated glycoproteins; one of which is CD45. Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site 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.</p>
<b>Abbreviation</b>	Recombinant Human CD22 protein, partial (Active)
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P20273
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
<b>Product Type</b>	Others
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized CD22 at 2 µg/ml can bind Anti-CD22 rabbit monoclonal antibody, the EC50 of human CD22 protein is 4.034-4.800 ng/ml.
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	<p>DSSKWFVEHPETLYAWEGACVWIPCTYRALDGDLESFILFHNPEYNKNTSKFD  GTRLYESTKDGKVPSEQKRVQFLGDKNKNCTLSIHPVHLNDSGQLGLRMESK  TEKWMERIHLNVSERPFPPIQLPPEIQESQEVTLTCLLNFSCYGYPIQLQWLL  EGVPMRQAAVTSTSLTIKSVFTRSELKFSQWVSHHGKIVTCQLQDADGKFLSN  DTVQLNVKHTPKLEIKVTPSDAIVREGDSVTMTCEVSSSNPEYTTVSWLKDGT  SLKKQNTFTLNLREVTKDQSGKYCCQVSNVGVGRSEEVFLQVQYAPEPSTV  QILHSPAVEGSQVEFLCMLANPLPTNYTWYHNGKEMQGRTEEKVHIPKILPW  HAGTYSCVAENILGTGQRGPGAELDVQYPPKKVTTVIQNPMPIREGDVTLSLSC  NYNSSNPSVTRYEWKPHGAWEEPVLGVLKIQNVGWDNTTIACAACNSWCSW  ASPVALNVQYAPRDVVRKIKPLSEIHSGNSVSLQCDFSSSHPKVEVQFFWEKN  GRLLGKESQLNFDISPEDAGSYSCWVNNSIGQTASKAWTLEVLYAPRRLRVS  MSPGDQVMGK SATLTCESDANPPVSHYTWFDWNNQSLPYHSQKLRLEPKV  VQHSGAYWCQGTNSVGKGRSPLSTLTVYYSPETIGRR</p>
<b>Research Area</b>	Cancer



<b>Source</b>	Mammalian cell
<b>Target Names</b>	CD22
<b>Expression Region</b>	20-687aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	C-terminal 6xHis-tagged
<b>Mol. Weight</b>	77.9 kDa
<b>Protein Length</b>	Partial

**Image**


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



**Activity**  
 Measured by its binding ability in a functional ELISA. Immobilized CD22 at 2 µg/ml can bind Anti-CD22 rabbit monoclonal antibody, the EC<sub>50</sub> of human CD22 protein is 4.034-4.800 ng/ml.

<b>Endotoxin</b>	Less than 1.0 EU/ug as determined by LAL method.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.