

CD22 active protein

CD22 protein

CATALOG # AAA14393	HOST CHO Cells
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PRODUCT SYNONYMS

CD22; CD22 protein; CD-22; FcεRII protein; CD 22; CD-22 protein; CD 22 protein; CD22 active protein

PRODUCT SPECIFICATIONS

Host	CHO Cells
Purity/Purification	> 98% by SDS-PAGE and HPLC analyses
Form/Format	Sterile 0.2 micron filtered. Lyophilized from 1x PBS, pH 7.2. Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.
Concentration	20ug/vial; lyophilized (varies by lot)
Sequence	Region of CD 22 protein corresponds to amino acids SKWVFE HPETLYAWEG ACVWIPCTYR ALDGDLESFI LFHNPEYNKN TSKFDGTRLY ESTKDGKVPS EQKRVQFLGD KNKNCTLSIH PVHLNDSGQL GLRMESKTEK WMERIHLNVS ERPFPPIQL PPEIQESQEV TLTCLLNFSY YGYPIQLQWL LEGVPMRQAA VTSTSLTIKS VFTRSELKFS PQWSHHGKIV TCQLQDADGK FLSNDTVQLN VKHTPKLEIK VTPSDAIVRE GDSVTMTCEV SSSNPEYTTV SWLKDGTSLK KQNTFTLNLR EVTKDQSGKY CCQVSNVGP GRSEEVFLQV QYAPPESTVQ ILHSPAVERGS QVEFLCMSLA NPLPTNYTWY HNGKEMQGRTEEKVHIPKIL PWHAGTYSCV AENILGTGQR GPGAELDVQY PPKKVTTVIQ NPMPIREGDT VTLSCNYNSS NPSVTRYEWK PHGAWEPSL GVLKIQNVGW DNTTIACARC NSWCWASPV ALNVQYAPRD VVRKIKPLS EIHSNGSVSL QCDFSSSHPK EVQFFWEKNG RLLGKESQLN FDSISPEDAG SYSCWVNSI GQTASKAWTL EVLYAPRRLR VSMSPGDQVM EGKSATLTCE SDANPPVSHY TWFDWNNQSL PHHSQKLRLE PVKVQHSGAY WCQGTNSVGK GRSPSLTLTV YYSPETIGRR .
Sequence Length	40
Grade	Recombinant human
Contaminants	Endotoxin < 0.1 ng per ug (<1 EU/ug)
Bioactivity	Determined by its ability to inhibit the proliferation of Raji cells. The expected ED50 for this effect is 10-17 ug/ml.
Preparation and Storage	Ships on blue ice. Upon receipt store at 4°C short term, -20°C long term. After reconstituted, working aliquots stored with a carrier protein are stable for at least 3 months at -20°C. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	4126455
NCBI GeneID	933

UniProt Accession #	Q9UQB2; P20273
NCBI Official Full Name	CD22, partial
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	CD22 protein
UniProt Gene Name	CD22
UniProt Entry Name	Q9UQB2_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/cho-cells-active-protein/cd22/14393>