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**Product Data Sheet**


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Product Name: CD22 Human

Cat. No.: GP23020

Batch No.: 1

**Product Data**

Purity &gt;98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms CD22 Molecule; CD22 Antigen; Sialic Acid-Binding Ig-Like Lectin 2; B-Lymphocyte Cell Adhesion Molecule; T-Cell Surface Antigen Leu-14; SIGLEC-2; SIGLEC2; BL-CAM; Sialic Acid Binding Ig-Like Lectin 2; B-Cell Receptor CD22.

Amino Acid Sequence  
 DSSKWWFEHP ETLYAWEGAC VWIPCTYRAL DGDLESFILF HNPEYNKNTS  
 KFDGTRLYES TKDGKVPSEQ KRVQFLGDKN KNCTLSIHPV HLNDSGQLGL  
 RMESKTEKWM ERIHLNVSER PFPPhiQLPP EIQUESQEVTL TCLLNFSYCYG  
 YPIQLQWLLE GVPMRQAAVT STSLTIKSVFTRSELKFSPQ WSHHGKIVTC  
 QLQDADGKFL SNTVQLNVK HTPKLEIKVT PSDAIVREGD SVTMTCEVSS  
 SNPEYTTVSW LKDGTSLLKKQ NTFTLNLREV TKDQSGKYCC QVSNVGPGR  
 SEEVFLQVQY APEPSTVQIL HSPAVEGSQV EFLCMSLANP LPTNYTWYHN  
 GKEMQGRTEE KVHIPKILPW HAGTYSCVAE NILGTGQRGP GAELDVQYPP  
 KKVTTVIQNP MPIREGDVT LSCNYNSSNP SVTRYEWKPH GAWEEPSLGV  
 LKIQNVGWDN TTIACAACNS WCSWASPVAL NVQYAPRDVR VRKIKPLSEI  
 HSGNSVSLQC DFSSSHPKEV QFFWEKNGRL LGKESQLNFDSISPEDAGSY  
 SCWVNNSIGQ TASKAWTLEV LYAPRRLRVS MSPGDQVMG K SATLTCESD  
 ANPPVSHYTW FDWNNQSLPY HSQKLRLEPV KVQHSGAYWC QGTNSVGKGR  
 SPLSTLTVYY SPETIGRRLE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK  
 PKDTLMISRT PEVTCVVVDVSHEDPEVKFN WYVDGVEVHN AKTKPREEQY  
 NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP  
 QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTTP  
 VLDSGDGFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNNHY  
 TQKSLSLSPGKHHHHHH.

Formulation CD22 protein solution (0.25mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Introduction

CD22, also known as Sialic Acid-Binding Ig-Like Lectin 2, is part of the immunoglobulin(Ig)superfamily. CD22 mediates B-cell to B-cell interactions and is implicated in the localization of B-cells in lymphoid tissues. CD22 acts as positive regulator via interaction with the Src family tyrosine kinases, in addition CD22 preform as an inhibitory receptor by recruiting cytoplasmic phosphatases.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

### Background

CD22 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 907 amino acids (20-687a.a.) and having a molecular mass of 102.1kDa. (Molecular size on SDS-PAGE will appear at approximately 100-150KDa).CD22 is expressed with a 239 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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