
Product Data Sheet

Product Name: CD72 Human, Sf9

Cat. No.: GP26242

Batch No.: 1

Product Data

| | | | |
|---------------------|---|--------------------|-------------------------|
| Purity | >98% | Source | Sf9, Baculovirus cells. |
| Physical Appearance | solid | Shipping Condition | withIcePacks |
| Synonyms | CD72, CD72b, LYB2, B-cell differentiation antigen CD72, Lyb-2. | | |
| Amino Acid Sequence | ADPRYLQVSQ QLQQTNRVLE VTNSSLRQQL RLKITQLGQS AEDLQGSRRE LAQSQEALQVEQRAHQAAEG QLQACQADRQ KTKETLQSEE QORRALEQKL SNMENRLKPF FTCGSADTCCPSGWIMHQKS CFYISLTSKN WQESQKQCET LSSKLATFSE IYPQSHSYFF LNSLLPNGGSGNSYWTGLSS NKDWKLTDDT QRTRTYAQSS KCNKVHKTWS WWTLESESCR SSLPYICEMTAFRFPDLEPK SCDKTHTCP CPAPPELLGGP SVFLFPPKPK DTLMISRTPE VTCVVVDVSHEDPEVKFNWY VDGVEVHNAK TKPREEQYNS TYRVVSVLTV LHQDWLNGKE YKCKVSNKALPAPIEKTISK AKGQPREPQV YTLPPSRDEL TKNQVSLTCL VKGFYPSDIA VEWESNGQPENNYKTTTPVL DSDGSFFFLYS KLTVDKSRWQ QGNVFSCSVM HEALHNHYTQ KSLSLSPGKH HHHHH. | | |
| Formulation | CD72 protein solution (0.5mg/ml) contains 50mM Tris-HCl buffer (pH6.8), 0.2M NaCl, 2mM DTT and 50% glycerol. | | |

Introduction

CD72 antigen is a member of the type II integral membrane glycoproteins which includes other related cell surface molecules such as the asialoglycoprotein receptors, CD23 and the Kupffer cell receptor. The exposure of B cells to CD72 antibodies activates a variety of signalling pathways and can induce MHC class II expression and B cell proliferation. CD72 antigen is expressed on all cells of B cell lineage with the exception of plasma cells and weakly on human tissue macrophages.

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%

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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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD72 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 485 amino acids (117-359a.a.) and having a molecular mass of 55.3kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). CD72 is expressed with a 242 amino acid hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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