
Product Data Sheet

Product Name: CD93 Human
 Cat. No.: GP23082
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms CD93 Molecule; CD93 Antigen; Complement Component 1; Q Subcomponent; Receptor 1; Complement Component 1 Q Subcomponent Receptor 1; Matrix-Remodeling-Associated Protein 4; Matrix-Remodelling Associated 4; C1q/MBL/SPA Receptor; C1qR(P); C1Qrp; C1QR1; MXRA4; CDw93; C1qR; C1q Receptor 1; DJ737E23.1; ECSM3.

Amino Acid Sequence
 TGADTEAVVC VGTACYTAHS GKLSAAEAQN HCNQNGGNLA TVKSKEEAQH
 VQRVLAQLLR REAALTARMS KFWIGLQREK GKCLDPSLPL KGFSWVGGGE
 DTPYSNWHKE LRNSCISKRC VSLLLDLSQP LLPSRLPKWS EGPCGSPGSP
 GSNIEGFVCK FSFKGMCRPL ALGGPGQVTY TTPFQTTSSS LEAVPFASAA
 NVACGEGDKD ETQSHYFLCK EKAPDVFDWG SSGPLCVSPK YGCNFNNGGC
 HQDCFEGGDG SFLCGCRPGF RLLDDLVTCA SRNPCSSSPC RGGATCVLGP
 HGKNYTCRCP QGYQLDSSQL DCVDVDECQD SPCAQECVNT PGGFRCECWV
 GYEPGGPGEG ACQDVDECAL GRSPCAQGCT NTDGSFHCSC EEGYVLAGED
 GTQCQDVDEC VGPGGPLCDS LCFNTQGSFH CGCLPGWVLA PNGVSCTMGP
 VSLGPPSGPP DEEDKGEKEG STVPRAATAS PTRGPEGTPK ATPTTSRPSL
 SSDAPITSAP LKMLAPSGSP GVVREPSIHH ATAASGPQEP AGGDSSVATQ
 NNDGTDGQKV EHHHHHH

Formulation CD93 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

CD93, is a receptor or else an element of a larger receptor complex for C1q, MBL2-mannose-binding lectin and SPA-pulmonary surfactant protein A. CD93 mediates the enhancement of phagocytosis in monocytes as well as macrophages upon interaction with soluble defense collagens. CD93 takes part in the intercellular adhesion.

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

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Furthermore, CD93 was expressed on (pre) plasmablasts/plasma cells, including long-lived plasma cells which demonstrated decreased cell cycle activity, high levels of isotype-switched Ig secretion, as well as modification of the transcriptional network. CD93 is vital for the maintenance of plasma cells in bone marrow niches.

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

CD93 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 567 amino acids (22-580 aa) and having a molecular mass of 59.3kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions). CD93 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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