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Recombinant Human CD93

CLPRO2336
CLPRO2336-2
CLPRO2336-3

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.

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. 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.

Description: 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.

Source: Sf9, Baculovirus cells.

Presentation: 1 µg (**CLPRO2336**), 5 µg (**CLPRO2336-2**), or 50 µg (**CLPRO2336-3**), sterile filtered colorless solution. CD93 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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). Please avoid freeze thaw cycles.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence: TGADTEAVVC VGTACYTAHS GKLSAAEAQN HCNQNGGNLA TVKSKEEAQH
VQRVLAQLLR REAALTARMS KFWIGLQREK GKCLDPSLPL KGFSWVGGE DTPYSNWHKE
LRNSCISKRC VSLLDLSQP LLPSRLPKWS EGPCGSPGSP GSNIEGFVCK FSKGMCRLPL ALGGPGQVTY
TTPFQTSSS LEAVPFASAA NVACGEGDKD ETQSHYFLCK EKAPDVFDWG SSGPLCVSPK
YGCNFNNGGC HQDCFEGGDG SFLCGCRPGF RLLDDLVTCA SRNPCSSSPC RGGATCVLGP
HGKNYTCRCP QGYQLDSSQL DCVDVDECQD SPCAQECVNT PGGFRCECWV GYEPGGPGEG
ACQDVDECAL GRSPCAQGCT NTDGSFHCSC EEGYVLAGED GTQCQDVDEC VPGGPLCDS
LCFNTQGSFH CGCLPGWVLA PNGVSCTMGP VSLGPPSGPP DEEDKGEKEG STVPRAATAS
PTRGPEGTPK ATPTTSRPSL SSDAPITSAP LKMLAPSGSP GVWREPSIHH ATAASGPQEP AGGDSSVATQ
NNDGTDGQKV EHHHHHPVEGAFTVFS DFLTYKSGVY KHEAGDMMGG HAIRILGWGV
ENGVPYWLAA NSWNLDWGDN GFFKILRGEN HCGIESEIVA GIPRTDQYWG RFLEHHHHHH.

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