32-13125: CD93 Mouse

Alternative Name : C1q/MBL/SPA receptor, C1qR(p), C1qRp, Cell surface antigen AA4, Complement, component 1 q subcomponent receptor 1, Lymphocyte antigen 68, Ly-68, CD93, Cd93.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

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.

CD93 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 558 amino acids (23-572a.a.) and having a molecular mass of 60.1kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).Â CD93 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 μg / 10 μg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CD93 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADSQAVVCEG TACYTAHWGK LSAAEAQHRC NENGGNLATV KSEEEARHVQ QALTQLLKTK APLEAKMGKF WIGLQREKGN CTYHDLPMRG FSWVGGGEDT AYSNWYKASK SSCIFKRCVS LILDLSLTPH PSHLPKWHES PCGTPEAPGN SIEGFLCKFN FKGMCRPLAL GGPGRVTYTT PFQATTSSLE AVPFASVANV ACGDEAKSET HYFLCNEKTP GIFHWGSSGP LCVSPKFGCS FNNGGCQQDC FEGGDGSFRC GCRPGFRLLD DLVTCASRNP CSSNPCTGGG MCHSVPLSEN YTCRCPSGYQ LDSSQVHCVD IDECQDSPCA QDCVNTLGSF HCECWVGYQP SGPKEEACED VDECAAANSP CAQGCINTDG SFYCSCKEGY IVSGEDSTQC EDIDECSDAR GNPCDSLCFN TDGSFRCGCP PGWELAPNGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVSNRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDTDGQN LEHHHHHH.