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**Product Data Sheet**


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Product Name: CD93 Mouse  
 Cat. No.: GP23083  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C1q/MBL/SPA receptor; C1qR(p); C1qRp; Cell surface antigen AA4; Complement; component 1 qsubcomponent receptor 1; Lymphocyte antigen 68; Ly-68; CD93; Cd93.		
Amino Acid Sequence	ADSQAVVCEG TACYTAHWGK LSAAEAQHRC NENGGNLATV KSEEEARHVQ QALTQLLGTK APLEAKMGKF WIGLQREKGN CTYHDLPMRG FSWVGGGEDT AYSNWKASK SSCIFKRCVS LILDLSLTPH PSHLPKWHEP PCGTPEAPGN SIEGFLCKFN FKGMCRLAL GPGRVTYTT PFQATTSSLE AVPFASVANV ACGDEAKSET HYFLCNEKTP GIFHWGSSGP LCVSPKFGCS FNNGGCQQDC FEGGDGSFRC GCRPGFRLD DLVTCASRNP CSSNPCTGGG MCHSVPLSEN YTCRCPSGYQ LDSSQVHCVD IDECQDSPCA QDCVNTLGSF HCECWVGYQP SGPKEEACED VDECAAANSP CAQGCINTDG SFYCSCKEGY IVSGEDSTQC EDIDECSDAR GNPCDSLFCN TDGSFRCGCP PGWELAPNGV FCSRGTVFSE LPARPPQKED NDDRKESTMP PTEMPSSPSG SKDVS NRAQT TGLFVQSDIP TASVPLEIEI PSEVSDVWFE LGTYLPTTSG HSKPTHEDSV SAHSDDTDGQN LEHHHHHH.		
Formulation	CD93 protein solution (0.5mg/ml) contains 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. Furthermore, CD93 was expressed on (pre) plasmablasts/plasma cells, including long-lived plasma cells which demonstrated decreased cell cycle activity, high

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

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

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