

Complement component C1q receptor, 23-572aa, Mouse, His tag, Insect cell

Cat.NO.: TP01683

3th Edition

Synonyms: Cd93, C1q/MBL/SPA receptor, C1qRp, Cell surface antigen AA4, Lymphocyte antigen 68, Ly-68

Description: CD93, also known as Complement component C1q receptor, is receptor (or element of a larger receptor complex) for C1q, mannose-binding lectin (MBL2) and pulmonary surfactant protein A (SPA). This protein mediates the enhancement of phagocytosis in monocytes and macrophages upon interaction with soluble defense collagens. It may play a role in intercellular adhesion. This protein was expressed on (pre)plasmablasts/plasma cells, including long-lived plasma cells that showed decreased cell cycle activity, high levels of isotype-switched Ig secretion, and modification of the transcriptional network. It is important for the maintenance of plasma cells in bone marrow niches. Recombinant mouse CD93, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 60.1kDa (558aa) 70-100kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADSQAVVCEGTACYTAHWGKLSAAEAQHRCNENGGNLATVKSEEEARHVQQALTQLLKTAPLEAKMGKFWIGL
QREKGNCTYHDLPMRGFSWVGGGEDTAYSNWYKASKSSCIFKRCVSLILDLSLTPHSHLPKWHESPCGTPEAPG
NSIEGFLCKFNFKGMCRPLALGGPGRVYTTTPFQATTSSLEAVPFASVANVACGDEAKSETHYFLCNEKTPGIFHW
GSSGPLCVSPKFGCSFNNGGCQQDCFEGGDGSRFCGCRPGFRLLDDLVTCASRNPCCSSNPCTGGGMCHSVPLS
ENYTCRCPSGYQLDSSQVHCVDIDECQDSPAQCDCVNTLGSFHCECWVGYQPSGPKEEACEDVDECAAANSPC
AQGCINTDGSFYCSCKEGYIVSGEDSTQCEDIDECSDARGNPCDSLFCNTDGSFRCGCPPGWELAPNGVFCSRG
TVFSELPPRPPQKEDNDDRKESTMPPTTEMPSSPSGSKDVSNRAQTTGLFVQSDIPTASVPLEIEIPSEVSDVWFEL
GTYLPTTSGHSPKPTHEDSVSAHSDDTGGQNLHHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.