

C1qR1/CD93 recombinant protein

C1qR1/CD93 Protein, Mouse, Recombinant (hFc Tag), HPLC-verified

CATALOG #
AAA259254

HOST
HEK293 Cells

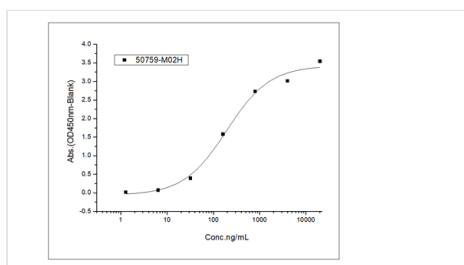
PRODUCT SYNONYMS

C1qR1/CD93; C1qR1/CD93 Protein; Mouse; Recombinant (hFc Tag); HPLC-verified; CD93 molecule; 6030404G09Rik Protein; AA145088 Protein; AA4.1 Protein; AW555904 Protein; C1qr1 Protein; C1qrp Protein; Ly68 Protein; C1qR1/CD93 recombinant protein

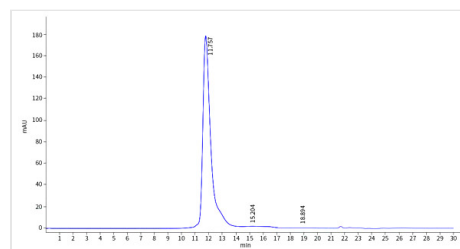
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>= 95% as determined by SDS-PAGE. = 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Mouse
Predicted N Terminal	Ala 23
Endotoxin	<1.0 EU per ug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Mouse CD93 (NP_034870.1)(Met1-Asn572) was expressed with the Fc region of human IgG1 at the C-terminus.
Activity	Immobilized Recombinant Human IGFBP7/IBP-7 Protein (His Tag)(Cat:13100-H08H) at 2ug/mL (100uL/well) can bind Recombinant Mouse CD93 Protein (Fc Tag) , the EC50 is 150-450 ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES



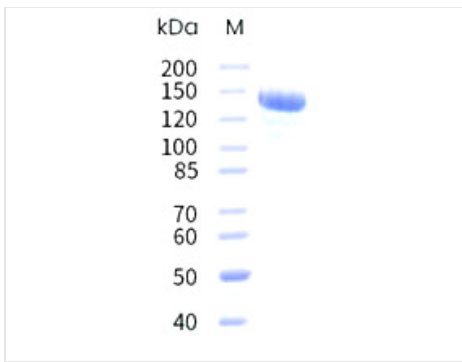
Application Data



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Immobilized Recombinant Human IGFBP7 / IBP-7 Protein (His Tag) (Cat:13100-H08H) at 2ug/mL (100uL/well) can bind Recombinant Mouse CD93 Protein (Fc Tag) (#AAA259254), the EC50 is 150-450 ng/mL.



Application Data

ADDITIONAL INFORMATION

Related Product Information for C1qR1/CD93 recombinant protein	CD93 or C1q receptor 1 (C1qR) is an about 120 kDa O-sialoglycoprotein that within the hematopoietic system is selectively expressed on cells of the myeloid lineage. CD93/C1qR is a highly glycosylated transmembrane protein expressed on monocytes, neutrophils, endothelial cells, and stem cells. CD93 was originally identified as a myeloid cell-surface marker and subsequently associated with an ability to modulate phagocytosis of suboptimally opsonized immunoglobulin G and complement particles in vitro. CD93/C1qR, a receptor expressed during early B-cell development, is reinduced during plasma-cell differentiation. High CD93/CD138 expression was restricted to antibody-secreting cells both in T-dependent and T-independent responses as naive, memory, and germinal-center B cells remained CD93-negative. CD93 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. CD93 is important for the maintenance of plasma cells in bone marrow niches.
References	Bohlsón SS, et al. (2005) CD93 is rapidly shed from the surface of human myeloid cells and the soluble form is detected in human plasma. J Immunol. 175(2): 1239-47. Norsworthy PJ, et al. (2004) Murine CD93 (C1qRp) contributes to the removal of apoptotic cells in vivo but is not required for C1q-mediated enhancement of phagocytosis. J Immunol. 172(6): 3406-14. Chevrier S, et al. (2009) CD93 is required for maintenance of antibody secretion and persistence of plasma cells in the bone marrow niche. Proc Natl Acad Sci U S A. 106(10): 3895-900.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754578
NCBI GeneID	17064
NCBI Accession #	NP_034870.1
NCBI GenBank Nucleotide #	NM_010740.3
UniProt Accession #	O89103; Q3U2X0; A2AVY5
Molecular Weight	69,354 Da
NCBI Official Full Name	complement component C1q receptor
NCBI Official Synonym Full Names	CD93 antigen
NCBI Official Symbol	Cd93
NCBI Official Synonym Symbols	Ly68; AA4.1; C1qr1; C1qrp; AA145088; AW555904; 6030404G09Rik
NCBI Protein Information	complement component C1q receptor
UniProt Protein Name	Complement component C1q receptor
UniProt Gene Name	Cd93
UniProt Synonym Gene Names	Aa4; C1qr1; C1qrp; Ly68; C1qR(p); C1qRp; Ly-68
UniProt Entry Name	C1QR1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd93-recombinant-protein-hek293-cells/259254>