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Datasheet for ABIN7317351
CD93 Protein (CD93) (AA 1-580) (His tag)

Overview

Quantity:	50 µg
Target:	CD93
Protein Characteristics:	AA 1-580
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD93 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD93/C1QR1 Protein (aa 1-580, His Tag)
Sequence:	Met 1-Lys 580
Characteristics:	A DNA sequence encoding the human CD93 (Q9NPY3) extracellular domain (Met 1-Lys 580) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD93
Alternative Name:	CD93/C1QR1 (CD93 Products)
Background:	Background: CD93 or C1q receptor 1 (C1qR) is an about 120 kDa O-sialoglycoprotein that within

Target Details

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.

Synonym: Complement Component C1q Receptor, C1q/MBL/SPA Receptor, C1qR, C1qR(p), C1qRp, CDw93, Complement Component 1 q Subcomponent Receptor 1, Matrix-Remodeling-Associated Protein 4CD93, C1QR1, MXRA4

Molecular Weight: 59.6 kDa

UniProt: [Q9NPY3](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.