

Biotinylated Recombinant Human C1qR/CD93 Protein

Catalog No.: RP02550B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	22918	Q9NPY3

Tags

C-His&Avi

Synonyms

C1q/MBL/SPA receptor; C1qR; C1qR(p); C1qRp; CDw93; CD93; C1QR1; MXRA4; EC5M3; dj737E23.1

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

CD93 has been shown critical roles in inflammatory and immune diseases. CD93 silencing increased IL-6 and TSLP, but not IL-33 levels in culture supernatants. HDM-induced asthma mice showed significant airway hyperresponsiveness and inflammation with Th2 cytokine activation, along with decreased CD93 expression in bronchial epithelial cells and lung homogenates but increased serum CD93 levels.

Basic Information

Description

Biotinylated Recombinant Human C1qR/CD93 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Thr22-Lys580) of Human C1qR/CD93 fused with a His and Avi tag at the C-terminal.

Bio-Activity

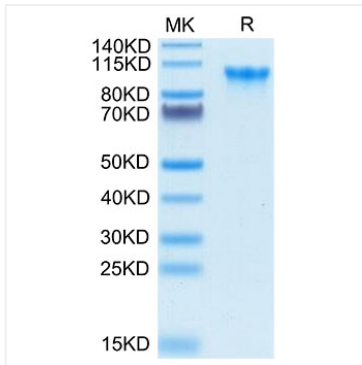
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

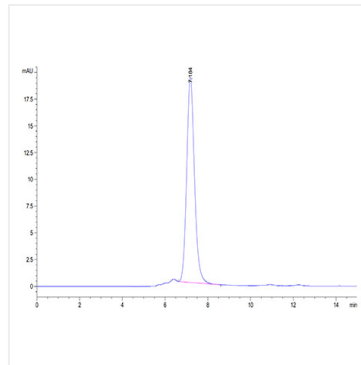
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

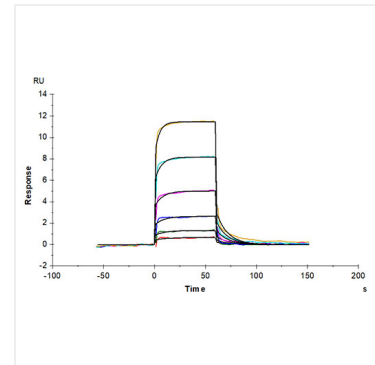
Validation Data



Biotinylated Human CD93 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human CD93 is greater than 95% as determined by SEC-HPLC.



Biotinylated Human CD93, His-Avi Tag immobilized on CM5 Chip can bind Human IGFBP-7, His Tag with an affinity constant of $0.17 \mu\text{M}$ as determined in SPR assay (Biacore T200).