

Biotinylated Recombinant Human C1qR/CD93 Protein

Catalog No.: RP02550B

Sequence Information

Species	Gene ID
Human	22918
Swiss Prot	Tags
Q9NPY3	C-His&Avi

Synonyms

C1q/MBL/SPA receptor; C1qR;
C1qR(p); C1qRp; CDw93; CD93;
C1QR1; MXRA4; ECSM3; dJ737E23.
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Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
61.2 kDa	90-110 kDa

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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

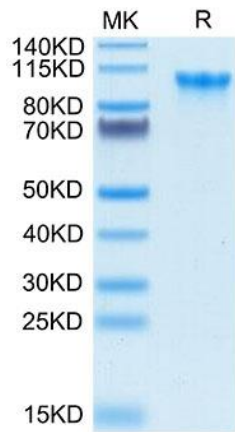
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

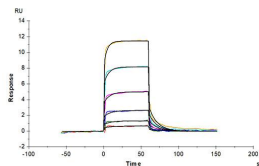
Contact

		400-999-6126
		cn.market@abclonal.com.cn
		www.abclonal.com.cn

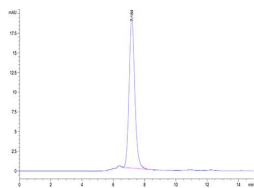
Validation Data



Biotinylated Recombinant Human C1qR/CD93 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



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