

Biotinylated Recombinant Human TNFRSF5/CD40 Protein

Catalog No.: RP02308 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	958	P25942

Tags

C-His&Avi

Synonyms

CD40;Bp50;CDW40;TNFRSF5;p50; Bp50;
CDW40; TNFRSF5

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 freeze-thaw cycles.

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Background

Basic Information

Description

Biotinylated Recombinant Human CD40 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Glu21-Arg193) of Human CD40 fused with a His and a Avi tag at the C-terminal.

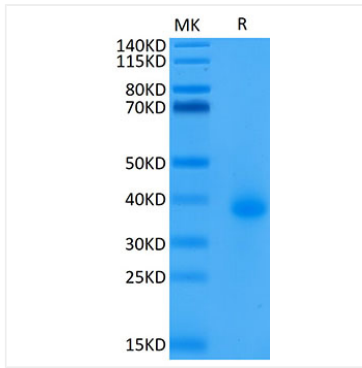
Bio-Activity

Immobilized Biotinylated Human CD40 at 1 μg/mL (100 μL/Well) on streptavidin precoated (0.2 μg/well) plate. Dose response curve for Human CD40L with the EC₅₀ of 15 ng/mL determined by ELISA.

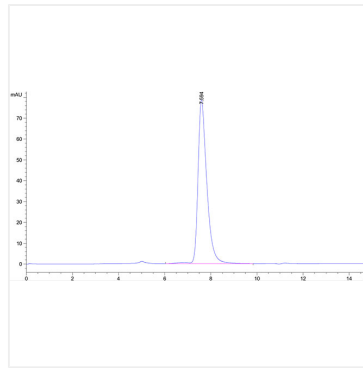
Storage

Store the lyophilized protein at -20°C to -80°C for long term. 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.

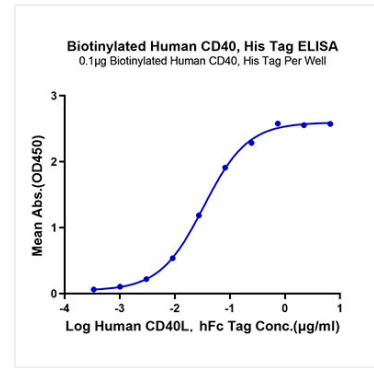
Validation Data



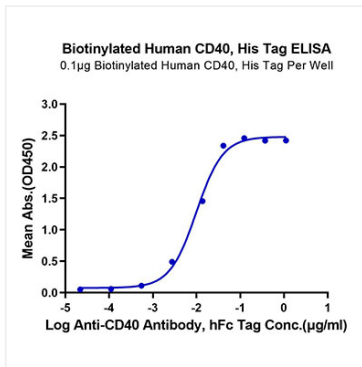
Biotinylated Human CD40 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



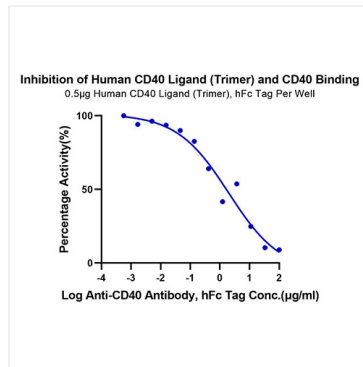
The purity of Biotinylated Human CD40 is greater than 95% as determined by SEC-HPLC.



Immobilized Biotinylated Human CD40, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human CD40L, hFc Tag with the EC_{50} of 33ng/ml determined by ELISA.



Immobilized Biotinylated Human CD40, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD40 Antibody, hFc Tag with the EC_{50} of 9.9ng/ml determined by ELISA.



Serial dilutions of Anti-CD40 Antibody were added into Biotinylated Human CD40, His Tag : Human CD40 Ligand (Trimer) , hFc Tag binding reactions. The half maximal inhibitory concentration (IC₅₀) is 2.0µg/mL.