

Biotinylated Recombinant Human TNFRSF8/CD30 Protein

Catalog No.: RP00557B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	943	P28908-1

Tags

C-His&Avi

Synonyms

CD30; CD30KI-1; CD30L receptor;
TNFRSF8; D1S166EKI-1; CD30KI-1

Product Information

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

Calculated MW	Observed MW
41.3 kDa	70-100 kDa

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial 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

The transmembrane receptor CD30 (TNFRSF8) and its ligand CD30L (CD153, TNFSF8) are members of the tumor necrosis factor (TNF) superfamily and display restricted expression in subpopulations of activated T-and B-cells in nonpathologic conditions. CD30 expression is upregulated in various hematological malignancies, including Reed-Sternberg cells in Hodgkin's disease (HD), anaplastic large cell lymphoma (ALCL) and subsets of Non-Hodgkin's lymphomas (NHLs).

Basic Information

Description

Biotinylated Recombinant Human TNFRSF8/CD30 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe19-Lys379) of Human TNFRSF8/CD30 (Accession #P28908-1) fused with a C-His&Avi tag at the C-terminus.

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.

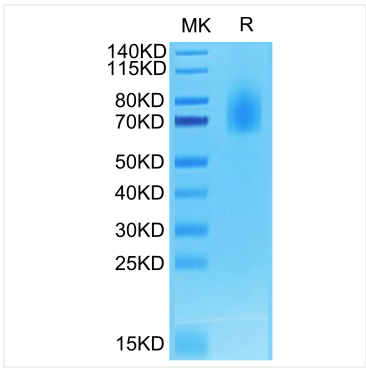
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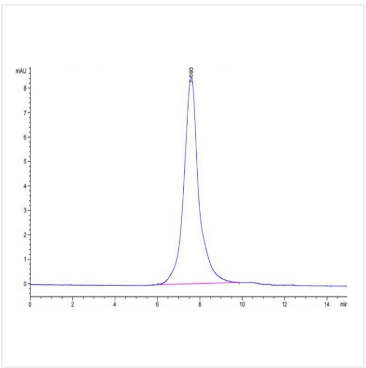
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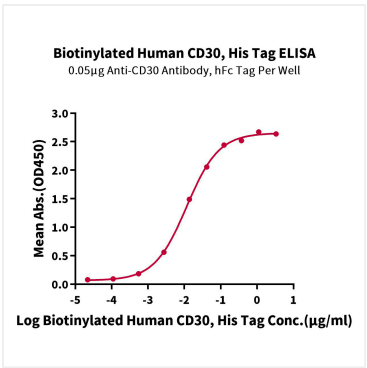
Validation Data



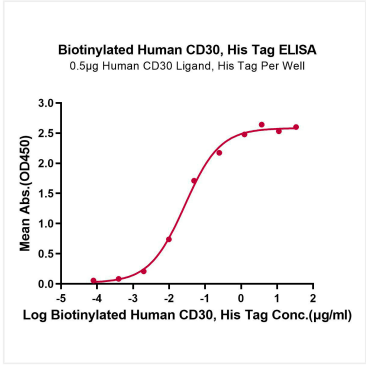
Biotinylated Recombinant Human TNFRSF8/CD30 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated CD30 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-CD30 Antibody, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC₅₀ of 11.5ng/mL determined by ELISA (QC Test).



Immobilized Human CD30 Ligand, His Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human CD30, His Tag with the EC₅₀ of 27.1ng/mL determined by ELISA.