Biotinylated Recombinant Human TNFRSF8/CD30 Protein

Catalog No.: RP00557B

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Sequence Information

Species
Human

Gene ID
943

Swiss Prot
P28908-1

Tags
C-His&Avi

Synonyms
CD30; CD30KI-1; CD30L receptor; TNFRSF8; D1S166EKi-1; CD30KI-1

Product Information

Source
HEK293 cells

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

Calculated MW
41.3 kDa

Observed MW
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 stablizer (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.

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℃

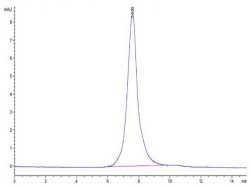
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

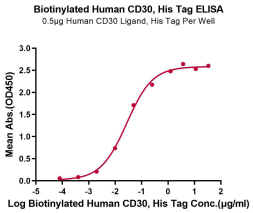
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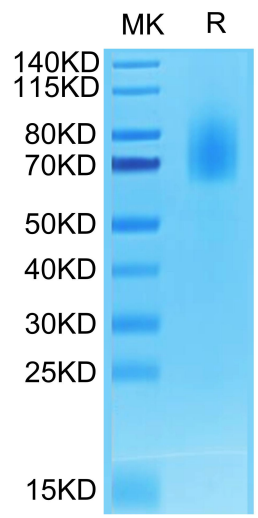
Validation Data



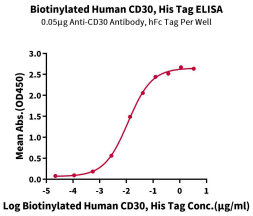
The purity of Biotinylated CD30 is greater than 95% as determined by SEC-HPLC.



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 EC_{50} of 27.1ng /mL determined by ELISA.



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



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 EC_{50} of 11.5ng /mL determined by ELISA (QC Test).