

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.

Contact

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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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

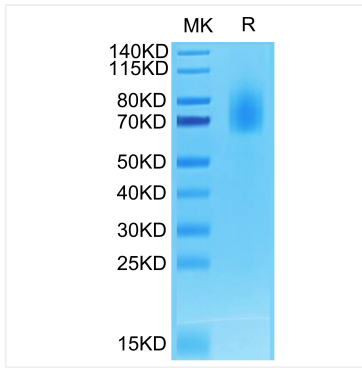
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

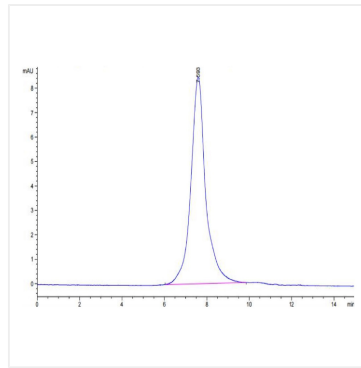
Operational Notes

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

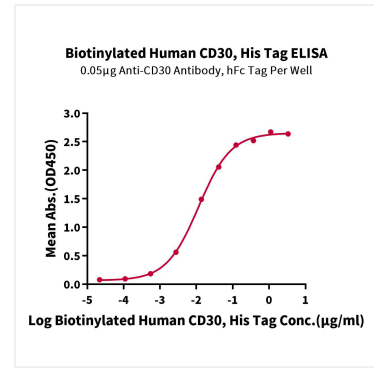
Validation Data



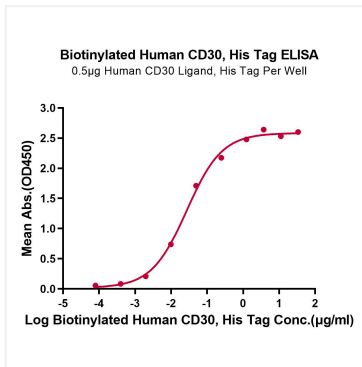
Biotinylated Recombinant Human TNFRSF8/CD30 Protein was determined by Tris-Bis PAGE under reducing conditions.



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