

Recombinant Human TNFRSF8/CD30 Protein

Catalog No.: RP00106 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	943	P28908

Tags

C-His

Synonyms

CD30; D1S166E; Ki-1;TNFRSF8; CD30;
TNF receptor superfamily member
8;D1S166E;Ki-1

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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 protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Basic Information

Description

Recombinant Human TNFRSF8/CD30 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe19-Lys379) of human CD30/TNFRSF8 (Accession #NP_001234.2) fused with a 6xHis tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant Human CD30/TNFRSF8 at 2 μg/mL (100 μL/well) can bind recombinant Human CD30L with a linear range of 1.22-15.23 ng/mL.

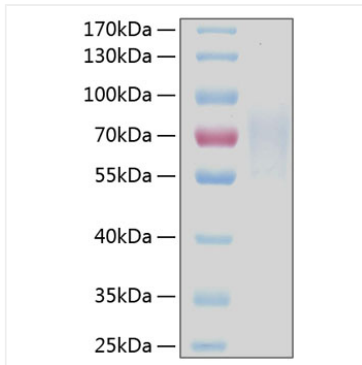
Storage

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

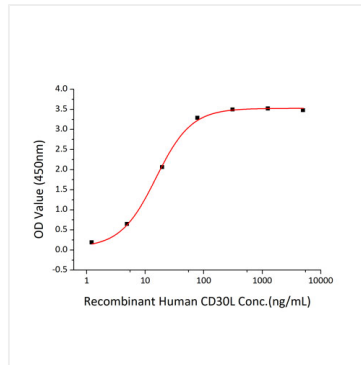
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human TNFRSF8/CD30 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 65-85 kDa.



Immobilized recombinant Human CD30/TNFRSF8 at 2 μ g/mL (100 μ L/well) can bind recombinant Human CD30L with a linear range of 1.22-15.23ng/mL.