Recombinant Mouse TNFSF8/CD30 Ligand/CD153 Protein

Catalog No.: RP01916

Sequence Information

Species	Gene ID
Mouse	21949
Swiss Prot	**Tags**
P32972	N-His

Synonyms

CD153 antigen; CD153; CD30 antigen ligand; CD30 Ligand; CD30L; CD30-L; CD30LCD30 ligand; CD30LGMGC138144; TNFSF8; tumor necrosis factor (ligand) superfamily, member 8; tumor necrosis factor ligand superfamily member 8

Product Information

Source	Purification
HEK293 cells	≥ 85% as determined by SDS-PAGE.
Calculated MW	**Observed MW**
16.51 kDa	20-35 kDa

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.

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

CD30 Ligand (CD30L)/TNFSF8 is a type II membrane protein belonging to the TNF superfamily. CD30L is expressed on the cell surface of activated T cells, B cells, and monocytes. The protein is also constitutively expressed on granulocytes and medullary thymic epithelial cells. The specific receptor for CD30L is CD30/TNFRSF8, a type I transmembrane glycoprotein belonging to the TNF receptor superfamily. CD30 was originally identified as a cell surface antigen of Hodgkin's and Reed-Sternberg cells using the monoclonal antibody Ki-1. CD30 is also expressed on different non-Hodgkin's lymphomas, virus-infected T and B cells, and on normal T and B cells after activation. Among T cells, CD30 is preferentially expressed on a subset of T cells producing Th2-type cytokines and on CD4+/CD8+ thymocytes that coexpress CD45RO and IL-4 receptor. CD30 ligation by CD30L mediates pleiotropic effects including cell proliferation, activation, differentiation and cell death by apoptosis. CD30 can act as a costimulatory molecule in thymic negative selection and may also play a critical role in the pathophysiology of Hodgkin's disease and other CD30+ lymphomas.

Basic Information

Description

Recombinant Mouse TNFSF8/CD30 Ligand Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser103-ASP239) of Mouse TNFSF8/CD30 Ligand (Accession #NP_033429.1) fused with a His tag at the N-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

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

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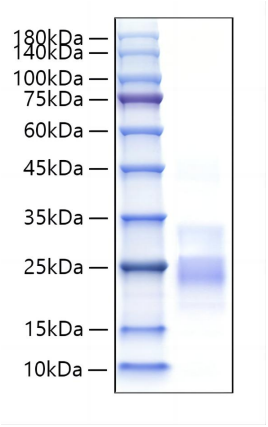
Validation Data



Recombinant Mouse TNFSF8/CD30 Ligand/CD153 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.