

RP02821

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Recombinant Mouse TNFSF12/TWEAK Protein

Catalog No.: RP02821

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 Cells	21944	O54907

Tags

C-raFc

Synonyms

TNFSF12;APO3L;DR3LG;TNLG4A;TWEAK

Product Information

Source	Purification
HEK293 Cells	> 90% by SDS-PAGE.

Endotoxin

<1EU/μg

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 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



www.abclonal.com

Background

TNFSF12 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. It is a ligand for the FN14/TWEAKR receptor. TNFSF12 has overlapping signaling functions with TNF, but displays a much wider tissue distribution. It can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. It is also found that TNFSF12 promotes proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. TNFSF12 also is a weak inducer of apoptosis in some cell types and mediates NF-kappa-B activation.

Basic Information

Description

Recombinant Mouse TNFSF12/TWEAK Protein is produced by HEK293 Cells expression system. The target protein is expressed with sequence (Arg105-His249) of mouse TNFSF12/TWEAK (Accession #NP_035744.1) fused with a raFc tag at the C-terminus.

Bio-Activity

Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED₅₀ for this effect is typically 10-50 ng/mL.

Storage

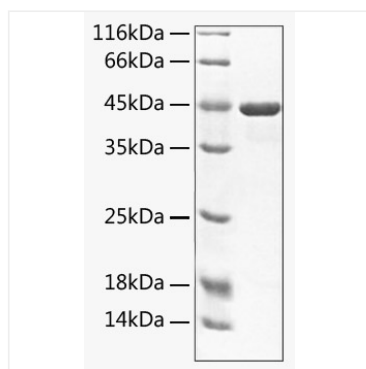
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

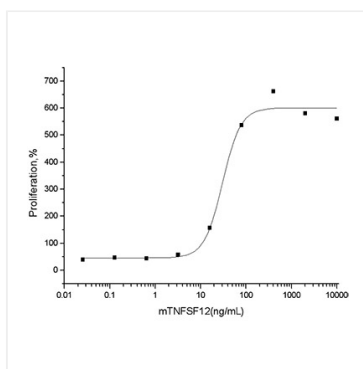
Avoid repeated freeze/thaw cycles.

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

Validation Data



Recombinant Mouse TNFSF12/TWEAK Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 45 kDa.



Recombinant Mouse TNFSF12 promotes the proliferation of human umbilical vein endothelial cells (HUVEC). The ED_{50} for this effect is typically 10-50 ng/mL.