Recombinant Mouse TNFRSF11B/Osteoprotegerin Protein

Catalog No.: RP01059

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Sequence Information

Species
Mouse

Gene ID
18383

Swiss Prot
O08712

Tags
C-hFc&His

Synonyms
TNFRSF11B,OCIF,OPG, Osteoprotegerin,TR1,TNFRSF11B

Product Information

Source
HEK293 cells

Purification
≥ 85 % as determined by SDS-PAGE.

Calculated MW
72.71 kDa

Observed MW
100 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.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 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

Basic Information

Description
Recombinant Mouse TNFRSF11B/Osteoprotegerin Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Met1-Leu401) of mouse Osteoprotegerin/TNFRSF11B (Accession #NP_032790.3) fused with an Fc, 6×His tag at the C-terminus.

Activity
1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human TNFSF11 at 2 μg/mL (100 μL/well) can bind Recombinant Mouse TNFRSF11B with a linear range of 3-10 ng/mL.
2.Measured by its ability to inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED_{50} for this effect is 0.13-0.54 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.

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℃

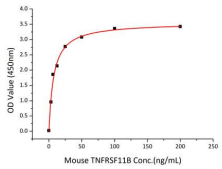
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

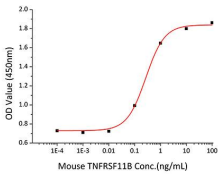
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

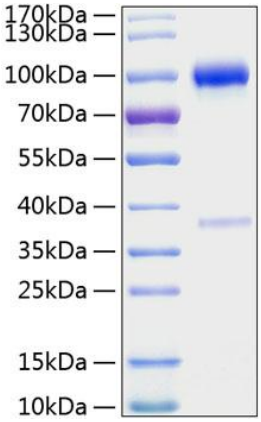
Validation Data



Immobilized Recombinant Human TNFSF11 at 2μg/mL (100 μL/well) can bind Recombinant Mouse TNFRSF11B with a linear range of 3-10 ng/mL.



Recombinant Mouse TNFRSF11B inhibit TRAIL-mediated cytotoxicity using L-929 mouse fibroblast cells treated with TRAIL. The ED_{50} for this effect is 0.13-0.54 ng/mL in the presence of 20 ng/mL Recombinant Human TRAIL/TNFSF10.



Recombinant Mouse TNFRSF11B/Osteoprotegerin Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.