

Recombinant Mouse TNFRSF9/CD137 protein (rFc Tag)

Catalog Number: Eg1627

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse TNFRSF9 protein Val24-Leu187 (Accession# P20334) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

21942

Accession:

P20334

Predicted Molecular Mass:

43.8 kDa

SDS-PAGE:

48-60 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD137, also known as TNFRSF9 or 4-1BB, is an inducible T cell surface receptor which belongs to the tumor necrosis factor receptor superfamily. CD137 is a transmembrane protein expressed on the surface of activated T-cells. In addition, activation-dependent expression of CD137 has also been found in B lymphocytes, monocytes, and diverse nonlymphoid cell types. CD137 provides a co-stimulatory signal that enhances the survival, and differentiation of cells, and has a crucial role in the development of CD8 cytotoxic T cells and anti-tumor immunity. Soluble forms of CD137 (sCD137) are generated by differential splicing and are released by activated lymphocytes. Elevated serum sCD137 level has been associated with some diseases, including rheumatoid arthritis, multiple sclerosis, chronic lymphocytic leukemia, and acute coronary syndrome.

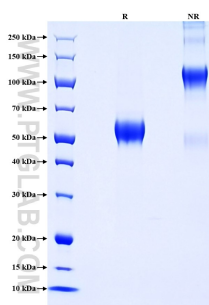
References

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2. Schwarz H. et al. (1995) Blood. 85(4):1043-52.
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Synonyms

4-1BB, 4-1BB ligand receptor, CD137, IIa, Ly63

Selected Validation Data



Purity of Recombinant Mouse TNFRSF9 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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