

For Research Use Only

Recombinant Mouse GITR/TNFRSF18 protein (rFc Tag)



Catalog Number: Eg3695

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Mouse GITR protein Gln20-His153 (Accession# O35714-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

21936

Accession:

O35714-1

Predicted Molecular Mass:

40.9 kDa

SDS-PAGE:

50-60 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m 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

Glucocorticoid-induced TNFR-related protein (GITR), also known as CD357 or TNFRSF18, is a member of the tumor necrosis factor receptor (TNF-R) superfamily. GITR is expressed constitutively at high levels in T regulatory cells (Treg cells) and plays a key role in dominant immunological self-tolerance maintained by CD25+CD4+ regulatory T cells. It is expressed at low levels on resting responder T cells. The expression of GITR on T cells can be upregulated upon activation. GITR is activated by GITR ligand (GITRL) which is mainly expressed on APC. GITR-GITRL interactions could co-stimulate both responder T-cell functions and the suppressive functions of Treg cells.

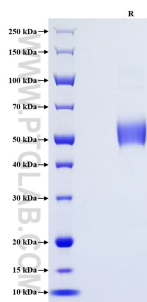
References

1. Shimizu J. et al. (2002) Nat Immunol. 3(2):135-142.
2. Nocentini G. et al. (2005) Eur J Immunol. 35(4):1016-1022.
3. Shevach EM. et al. (2006) Nat Rev Immunol. 6(8):613-8.

Synonyms

CD357, GITR, Tnfrsf18, AITR, Glucocorticoid-induced TNFR-related protein

Selected Validation Data



Purity of Recombinant Mouse GITR/TNFRSF18 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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