

Recombinant Mouse IL-15RA protein (rFc Tag)(HPLC verified)

Catalog Number: Eg2687

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ µg protein, LAL method

Source:
HEK293-derived Mouse IL-15RA protein Gly33-Lys205 (Accession# Q60819-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
16169

Accession:
Q60819-1

Predicted Molecular Mass:
44.4 kDa

SDS-PAGE:
55-85 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

Interleukin-15 (IL-15) is a pleiotropic cytokine that plays an important role in both innate and adaptive immunity. IL-15 is mainly produced by activated monocytes, macrophages and dendritic cells, and is structurally similar to IL-2. These two cytokines share the same IL-2/15R β and common γ -chain receptor subunits. In addition, IL-2 and IL-15 have their own private α -chain receptor subunit, IL-2R α and IL-15R α , respectively. The IL-15R α chain is expressed by many cell types including monocytes, DCs, NK, T cells and fibroblasts. Several isoforms of IL-15R α exist and are generated either by alternative splicing or by proteolytic cleavage.

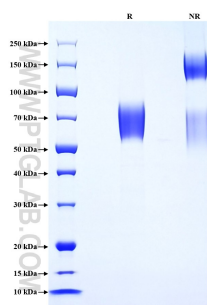
References

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2. Lodolce JP, et al. (2002) Cytokine Growth Factor Rev. 13(6):429-39.
3. Giri JG, et al. (1995) EMBO J. 1;14(15):3654-63.
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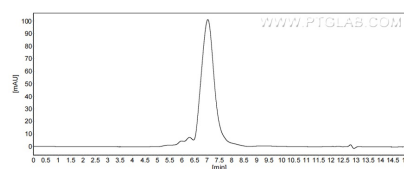
Synonyms

CD215, IL-15 receptor subunit alpha, IL15ra, IL-15R-alpha, Interleukin-15 receptor subunit alpha

Selected Validation Data



Purity of Recombinant Mouse IL-15RA 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.



The purity of Mouse IL-15RA was greater than 90% as determined by SEC-HPLC.

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

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