

For Research Use Only

Recombinant Mouse IL3RA/CD123 protein (rFc Tag)



Catalog Number: Eg6614

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse IL-3RA protein Ser17-Lys331 (Accession# P26952) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
16188

Accession:
P26952

Predicted Molecular Mass:
60.5 kDa

SDS-PAGE:
70-95 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

IL-3RA, also named as CD123 and SUT-1, is the alpha subunit of the interleukin 3 (IL-3) receptor, which is part of the type I cytokine receptor superfamily. It can regulate the proliferation, survival, and differentiation of hematopoietic cells. In mouse, there are two classes of high-affinity IL-3 receptors. One contains an IL-3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL-5 and GM-CSF receptors.

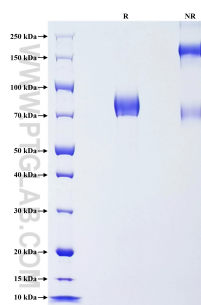
References

1. Broughton, Sophie E et al. Cell reports vol. 8,2 (2014): 410-9.
2. Aldoss, Ibrahim et al. Hum Vaccin Immunother. 2020;16(10):2341-2348.

Synonyms

Sut-1, CD123, IL-3 receptor subunit alpha, IL-3R subunit alpha, IL-3RA

Selected Validation Data



Purity of Recombinant Mouse IL-3RA 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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