

Recombinant Cynomolgus IL-3RA/CD123 Protein

Catalog No.: RP02637

Sequence Information

Species	Gene ID
Cynomolgus	102138639
Swiss Prot	Tags
G8F3K3-1	C-His

Synonyms

CD123; IL-3R subunit alpha; IL3R;
IL3RA; IL-3Ra; IL3RAY; IL3RX;
IL3RY; MGC34174; IL-3 R alpha

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE.

Calculated MW	Observed MW
33.9 kDa	50-70 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Reconstitution

Centrifuge the tube 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Interleukin-3 receptor subunit alpha, also known as IL-3 receptor subunit alpha, IL-3R-alpha, CD123, and IL3RA, is a single-pass type I membrane protein which belongs to the type I cytokine receptor family and Type 5 subfamily. The specific alpha subunit of the interleukin-3 receptor (IL-3Ralpha, CD123) is strongly expressed in various leukemic blasts and leukemic stem cells and seems to be an excellent target for the therapy of leukemias.

Basic Information

Description

Recombinant Cynomolgus IL-3RA/CD123 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg18-Arg302) of cynomolgus IL-3RA/CD123 (Accession #G8F3K3-1) fused with His tag at the C-terminus.

Activity

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°C

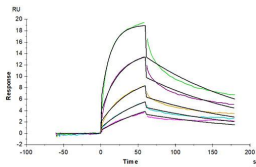
Operational Notes

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

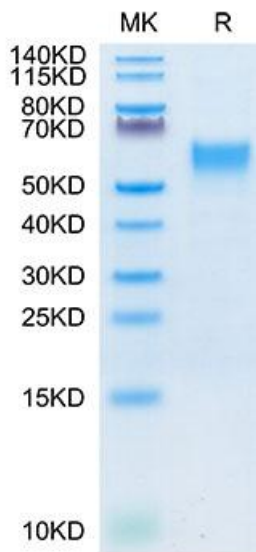
Contact

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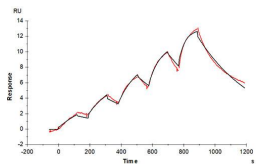
Validation Data



Cynomolgus IL-3 R alpha, His Tag captured on CM5 Chip via anti-his antibody can bind Human IL-3, hFc Tag with an affinity constant of 48.13 nM as determined in SPR assay (Biacore T200).



Recombinant Cynomolgus IL-3RA/CD123 Protein was determined by Tris-Bis PAGE under reducing conditions.



Cynomolgus IL-3 R alpha, His Tag immobilized on CM5 Chip can bind Cynomolgus IL-3, His Tag with an affinity constant of 1.30 nM as determined in SPR assay (Biacore T200).