

Recombinant Human IL-3RA/CD123 Protein

Catalog No.: RP00444

Sequence Information

Species **Gene ID**
Human 3563

Swiss Prot **Tags**
P26951-1 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
SDS-PAGE.

Calculated MW **Observed MW**
33.9 kDa 60-70 kDa

Endotoxin

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

Formulation

Lyophilized from 0.22 μm filtered
solution in PBS (pH 7.4). Normally
8% trehalose is added as
protectant before lyophilization.

Reconstitution

Centrifuge the vial 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 Human IL-3RA/CD123 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr19-Arg305) of Human IL-3 R alpha/CD123 (Accession #P26951-1) fused with a C-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.

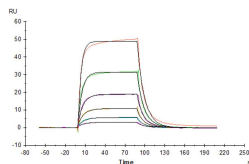
Contact

☎ | 400-999-6126

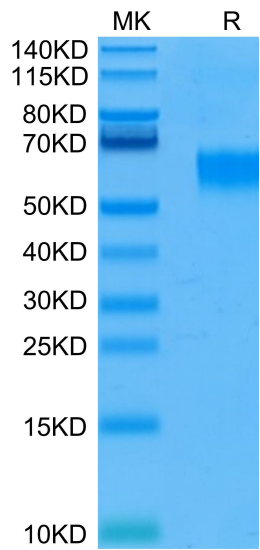
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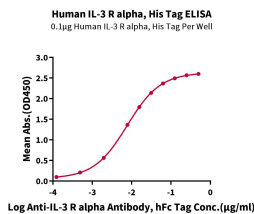
Validation Data



Human IL-3, hFc Tag captured on CM5 Chip via Protein A can bind Human IL-3 R alpha, His Tag with an affinity constant of 0.276 μ M as determined in SPR assay (Biacore T200).



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



Immobilized Human IL-3 R alpha, His Tag at 1 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Anti-IL-3 R alpha Antibody, hFc Tag with the EC_{50} of 7.7ng /mL determined by ELISA (QC Test).