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IL15RA Protein (His-Avi Tag)

3 Images



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Overview

Quantity:	100 μg
Target:	IL15RA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL15RA protein is labelled with His-Avi Tag.

Product Details

Sequence:	lle31-Thr205
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-15 at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-15RA, His Tag with the EC50 of 12.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL15RA
Alternative Name:	IL-15RA (IL15RA Products)
Background:	IL-15 R alpha, CD215, IL-15RA, MGC104179,Interleukin-15 receptor alpha (IL-15R alpha) is a
	high affinity IL-15 binding protein that is crucial for mediating IL-15 functions such as memory
	CD8 T cell proliferation and NK, NK/T cell, and intestinal intraepithelial lymphocyte

Target Details

	development.
Molecular Weight:	21.3 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling

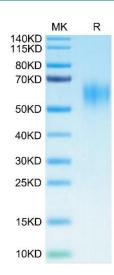
Application Details

Restrictions: For Research Use only

Handling

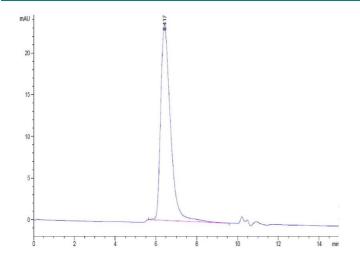
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



SDS-PAGE

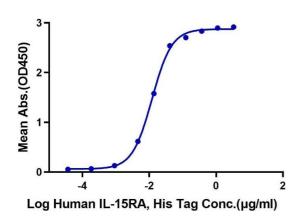
 $\pmb{\text{Image 1.}}$ Human IL-15RA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-15RA is greater than 95% as determined by SEC-HPLC.

Human IL-15RA, His Tag ELISA 0.1µg Human IL-15, No Tag Per Well



ELISA

Image 3. Immobilized Human IL-15 at $1\,\mu g/mL$ ($100\,\mu$ L/Well) on the plate. Dose response curve for Human IL-15RA, His Tag with the EC50 of 12.1 ng/mL determined by ELISA.