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IL6RA Protein (His-Avi Tag, Biotin)





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Overview

Quantity:	100 μg
Target:	IL6RA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL6RA protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Leu20-Pro365
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-6, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-6 R alpha, His Tag with the EC50 of 0.54µg/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL6RA
Alternative Name:	IL-6R alpha (IL6RA Products)
Background:	IL-6R subunit alpha, IL-6R-alpha, IL-6RA, IL-6R 1, IL6R, CD126, IL6RQ, gp80,The multifunctional
	factor interleukin 6 (IL-6) exerts its activities through binding to a high-affinity receptor complex

Target Details	
	consisting of two membrane glycoproteins: an 80 kDa component receptor that binds IL-6 with low affinity (IL-6R alpha) and a signal-transducing component of 130 kDa (gp130) that does not bind IL-6 by itself, but is required for high-affinity binding of IL-6 by the complex. Both components of the receptor complex, IL-6R alpha and gp130 have been cloned, sequenced, and expressed.
Molecular Weight:	41.4 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling, Autophagy, Growth Factor Binding, Cancer Immune Checkpoints
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized

protein in distilled water.

Buffer:

Lyophilized from $0.22\mu m$ filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

Storage:

4 °C,-80 °C

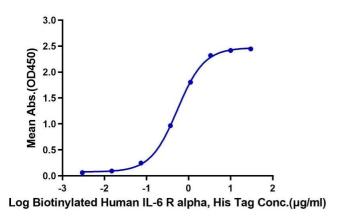
Storage Comment:

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

Biotinylated Human IL-6 R alpha, His Tag ELISA 0.2µg Human IL-6, No Tag Per Well



ELISA

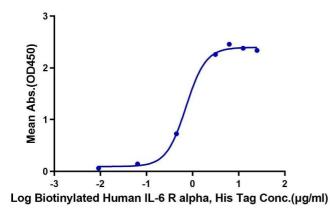
Image 1. Immobilized Human IL-6, No Tag at 2 μ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Human IL-6 R alpha, His Tag with the EC50 of 0.54 μ g/mL determined by ELISA.

140KD 115KD 80KD 70KD 50KD 40KD 30KD 25KD

SDS-PAGE

Image 2. Biotinylated Human IL-6 R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than $95\,\%$.

Biotinylated Human IL-6 R alpha, His Tag ELISA 0.2µg Human IL-6, No Tag Per Well



ELISA

Image 3. Immobilized Human IL-6, No Tag at 2 μ g/mL (100 μ L/well) on the plate. Dose response curve for Biotinylated Human IL-6 R alpha, His Tag with the EC50 of 0.71 μ g/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7275037.