Datasheet for ABIN7275009

IL23R Protein (AA 24-353) (His tag)

2 Images

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Overview

Quantity:	100 µg
Target:	IL23R
Protein Characteristics:	AA 24-353
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL23R protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus IL-23R Protein
Sequence:	Gly24-Asp353
Characteristics:	Recombinant Cynomolgus IL-23R Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gly24-Asp353.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus IL-23R, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-23 alpha&IL-12 beta, His Tag with the EC50 of 0.61µg/ml determined by ELISA. See testing image for detail.

Target Details

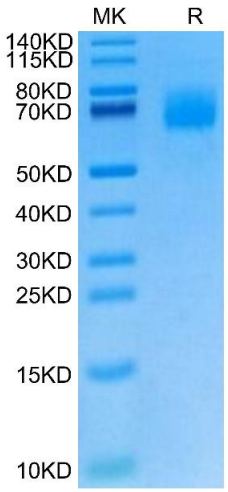
Target:	IL23R
Alternative Name:	IL-23R (IL23R Products)
Background:	Interleukin 23 (IL-23) is a heterodimeric cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12. The functional IL-23 receptor complex consists of two receptor subunits, the IL-12 receptor beta 1 subunit (IL-12 R beta 1) and the IL-23-specific receptor subunit (IL-23 R).This receptor associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade.
Molecular Weight:	39.03 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Tris-Bis PAGE result.
UniProt:	G7NWY5
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation

Application Details

Restrictions:	For Research Use only

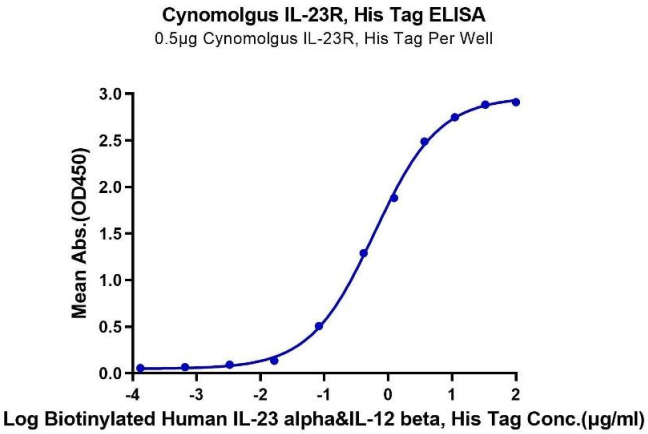
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Cynomolgus IL-23R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



ELISA

Image 2. Immobilized Cynomolgus IL-23R, His Tag at 5 μg/mL (100 μL/well) on the plate. Dose response curve for Biotinylated Human IL-23 alpha&IL-12 beta, His Tag with the EC50 of 0.61 μg/mL determined by ELISA.