antibodies

Datasheet for ABIN7274989 IL4 Receptor Protein (AA 26-232) (His tag)

4 Images



Overview

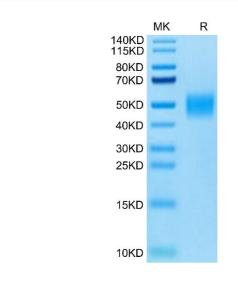
Quantity:	100 µg
Target:	IL4 Receptor (IL4R)
Protein Characteristics:	AA 26-232
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL4 Receptor protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus IL-4 R alpha/CD124 Protein
Sequence:	Met26-Arg232
Characteristics:	Recombinant Cynomolgus IL-4 R alpha/CD124 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Met26-Arg232.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μ g by the LAL method.
Biological Activity Comment:	Immobilized Human IL-4, No Tag at 2μ g/ml (100 μ l/well) on the plate. Dose response curve for
	Cynomolgus IL-4 R alpha, His Tag with the EC50 of 36.5ng/ml determined by ELISA. The affinity
	constant of 13.48 nM as determined in SPR assay (Biacore T200). See testing image for detail.

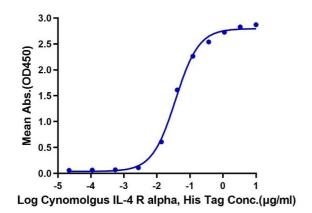
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Target Details	
Target:	IL4 Receptor (IL4R)
Alternative Name:	IL-4 R alpha (IL4R Products)
Background:	Interleukin 4 Receptor alpha (IL-4 Ra), also known as CD124 and BSF receptor, is a widely expressed 140 kDa transmembrane glycoprotein in the class I cytokine receptor family. The effects of IL-4 are mediated after binding to high affinity receptor complexes present on hematopoietic as well as non-hematopoietic cells.
Molecular Weight:	24.84 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Tris-Bis PAGE result.
UniProt:	G7Q0S7
Pathways:	JAK-STAT Signaling, Positive Regulation of Immune Effector Process
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



RU 45 40 35 30 25 Response 20 15 10 5 0 -5 -100 -50 0 50 100 150 200 250 300 350 Tim e S

Cynomolgus IL-4 R alpha, His Tag ELISA 0.2µg Human IL-4, No Tag Per Well



SDS-PAGE

Image 1. Cynomolgus IL-4 R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Surface Plasmon Resonance

Image 2. Cynomolgus IL-4, His Tag immobilized on CM5 Chip can bind Cynomolgus IL-4 R alpha, His Tag with an affinity constant of 13.48 nM as determined in SPR assay (Biacore T200).

ELISA

Image 3. Immobilized Human IL-4, No Tag at 2 μ g/mL (100 μ L/well) on the plate. Dose response curve for Cynomolgus IL-4 R alpha, His Tag with the EC50 of 36.5 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7274989.

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