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Datasheet for ABIN7275396 IL12B Protein (AA 23-328) (His tag)

4 Images



Overview

Quantity:	100 µg
Target:	IL12B
Protein Characteristics:	AA 23-328
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12B protein is labelled with His tag.

Product Details

Purpose:	Human IL-12B/p40/NKSF2 Protein
Sequence:	lle23-Ser328
Characteristics:	Recombinant Human IL-12B/p40/NKSF2 Protein is expressed from HEK293 with His tag at the
	C-Terminus.It contains Ile23-Ser328.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μ g by the LAL method.
Biological Activity Comment:	Immobilized Human IL-12B, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve
	for Anti-IL-12 Antibody, hFc Tag with the EC50 of 6.9ng/ml determined by ELISA. The affinity
	constant of 98.1nM as determined in SPR assay (Biacore T200). See testing image for detail.

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Target Details

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Target:	IL12B
Alternative Name:	IL-12B (IL12B Products)
Background:	Interleukin (IL)-12B, which encodes the p40 subunit common to IL-12 and IL-23, as one of the
	genes for which expression in fibroblast-like synoviocytes from patients with rheumatoid
	arthritis (RA-FLS) is induced by DcR3.Decoy receptor 3 (DcR3) competitively binds to three
	ligands, Fas ligand, lymphotoxin-related inducible ligand that competes for glycoprotein D
	binding to herpesvirus entry mediator on T cells and tumor necrosis factor-like ligand 1A
	(TL1A), to prevent their effects. Recent studies have suggested that DcR3 directly affects cells
	as a ligand.
Molecular Weight:	34.7 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	P29460
Pathways:	JAK-STAT Signaling, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte
	Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell
	Proliferation
Application Details	
Restrictions:	For Research Use only
Handling	
- Iditioning	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is
	recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as

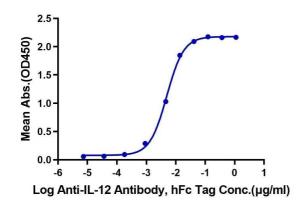
	protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

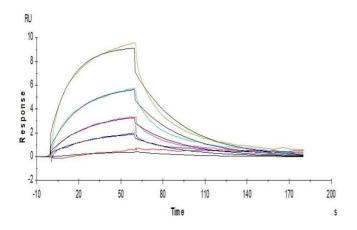
Expiry Date:

12 months

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Human IL-12B, His Tag ELISA 0.1µg Human IL-12B, His Tag Per Well



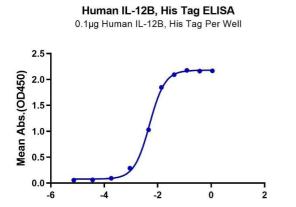


ELISA

Image 1. Immobilized Human IL-12B, His Tag at $0.2 \mu g/mL$ (100 $\mu L/Well$) on the plate. Dose response curve for Anti-IL-12 Antibody, hFc Tag with the EC50 of 6.9 ng/mL determined by ELISA.

Surface Plasmon Resonance

Image 2. Human IL12B/P40, His Tag immobilized on CM5 Chip can bind Human IL-12 R beta 1, His Tag with an affinity constant of 98.1nM as determined in a SPR assay (Biacore T200).



ELISA

Image 3. Immobilized Human IL-12B, His Tag at $0.2 \mu g/mL$ (100 $\mu L/Well$) on the plate. Dose response curve for Anti-IL-23A&IL-12B P40 domain Ab., hFc Tag with the EC50 of 6.9 ng/mL determined by ELISA.

Log Anti-IL-23A&IL-12B P40 domain Ab., hFc Tag Conc.(µg/ml)

Please check the product details page for more images. Overall 4 images are available for ABIN7275396.

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