Datasheet for ABIN7274927

IL-22 Protein (AA 34-179) (His-Avi Tag,Biotin)

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2 Images

Overview

Quantity:	100 µg
Target:	IL-22 (IL22)
Protein Characteristics:	AA 34-179
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-22 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Mouse IL-22 Protein
Sequence:	Leu34-Val179
Characteristics:	Recombinant Biotinylated Mouse IL-22 Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus.It contains Leu34-Val179.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Mouse IL-22R alpha 1, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse IL-22, His Tag with the EC50 of 0.23µg/ml determined by ELISA. See testing image for detail.

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Target Details

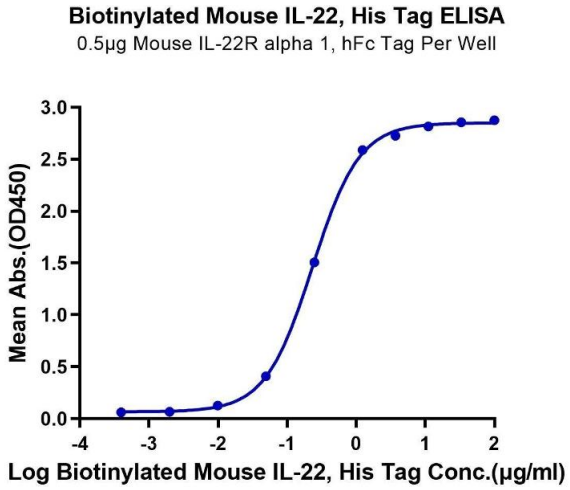
Target:	IL-22 (IL22)
Alternative Name:	IL-22 (IL22 Products)
Background:	The cytokine interleukin-22 (IL-22) is a critical regulator of epithelial homeostasis. It has been implicated in multiple aspects of epithelial barrier function, including regulation of epithelial cell growth and permeability, production of mucus and antimicrobial proteins (AMPs), and complement production.
Molecular Weight:	19.7 kDa same as Tris-Bis PAGE result.
UniProt:	Q9JJY9

Application Details

Restrictions:	For Research Use only

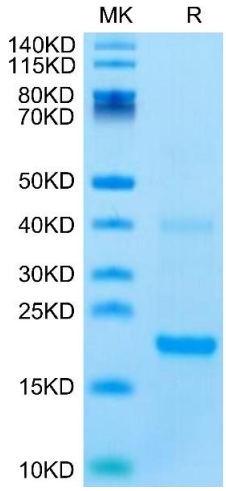
Handling

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 0.22 µm 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



ELISA

Image 1. Immobilized Mouse IL-22R alpha 1, hFc Tag at 5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Mouse IL-22, His Tag with the EC50 of 0.23 µg/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Mouse IL-22 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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