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Datasheet for ABIN7454148  
**IL12 Protein (AA 23-328) (His tag)**

### Overview

Quantity:	100 µg
Target:	IL12
Protein Characteristics:	AA 23-328
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12 protein is labelled with His tag.

### Product Details

Purpose:	Cynomolgus IL-12 Protein
Sequence:	Ile23-Ser328 (IL-12B) & Arg57-Ser253 (IL-12A)
Specificity:	Uni-Prot: G7P6S2 (IL-12B), XP_005546300.2 (IL-12A)
Characteristics:	Recombinant Cynomolgus IL-12 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ile23-Ser328 (IL-12B) & Arg57-Ser253 (IL-12A).
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 Cynomolgus IL-12, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-12 Antibody, hFc Tag with the EC50 of 8.5ng/ml determined by ELISA. See testing image for detail.

## Target Details

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Target:	IL12
Alternative Name:	IL-12 ( <a href="#">IL12 Products</a> )
Background:	Interleukin 12 (IL-12) is a pleiotropic cytokine that plays an essential role in Th1-type immune response against cancer, a condition where cells in a particular part of the body grow and reproduce uncontrollably.
Molecular Weight:	34.76 kDa (IL-12B) and 23.64 kDa (IL-12A). Due to glycosylation, the protein migrates to 45-48 kDa (IL-12B) and 38-44 kDa (IL-12A) based on Tris-Bis PAGE result.
UniProt:	<a href="#">G7P6S2</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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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