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IL12 Protein (AA 23-215) (His tag)

Images



Overview

Quantity:	100 μg
Target:	IL12
Protein Characteristics:	AA 23-215
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12 protein is labelled with His tag.

Product Details

Purpose:	Mouse IL-12 Protein
Sequence:	Arg23-Ala215 (IL-12A) & Met23-Ser335 (IL-12B)
Specificity:	Uni-Prot: P43431 (IL-12A), P43432 (IL-12B)
Characteristics:	Recombinant Mouse IL-12 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Arg23-Ala215(IL-12A) & Met23-Ser335(IL-12B).
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.

Target Details

Target: IL12

Target Details

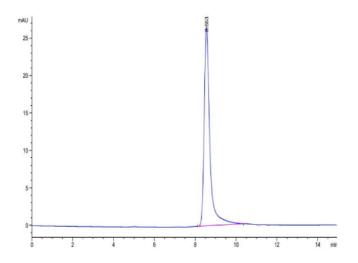
Alternative Name:	IL-12 (IL12 Products)
Background:	Interleukin 12 (IL-12) is a pleiotropic cytokine that plays an essential role in Th1-type immune response against cancer, a condition where cells in a particular part of the body grow and reproduce uncontrollably.
Molecular Weight:	22.80 kDa(IL-12A)&35.79 kDa(IL-12B). Due to glycosylation, the protein migrates to 25-30
	kDa(IL-12A)&45-55 kDa(IL-12B) based on Tris-Bis PAGE result.
UniProt:	kDa(IL-12A)&45-55 kDa(IL-12B) based on Tris-Bis PAGE result. P43431

Application Details

Restrictions:	For Research Use only

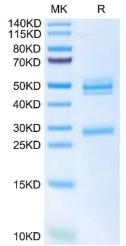
Handling

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 $0.22\mu m$ 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



Size-exclusion chromatography-High Pressure Liquid Chromatography

 $\label{lemage 1.} \textbf{Image 1.} \ \textbf{The purity of Mouse IL-12 is greater than 95 \% as } \\ \textbf{determined by SEC-HPLC.}$



SDS-PAGE

Image 2. Mouse IL-12 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.