

# Biotinylated Mouse IL-23A Protein

Cat. No. IL2-MM423B

## Description

<b>Source</b>	Recombinant Biotinylated Mouse IL-23A Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus. It contains Val22-Ala196.
<b>Accession</b>	Q9EQ14
<b>Molecular Weight</b>	The protein has a predicted MW of 23.41 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 90% as determined by HPLC

## Formulation and Storage

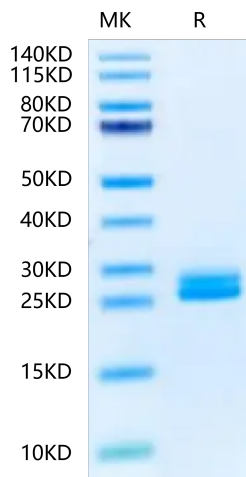
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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.

## Background

The heterodimeric cytokine interleukin-23 (IL-23 or IL23A/IL12B) is produced by dendritic cells and macrophages and promotes the proinflammatory and regenerative activities of T helper 17 (Th17) and innate lymphoid cells. A recent study has reported that IL-23 is also secreted by lung adenoma cells and generates an inflammatory and immune-suppressed stroma.

## Assay Data

### Tris-Bis PAGE



Biotinylated Mouse IL-23A on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

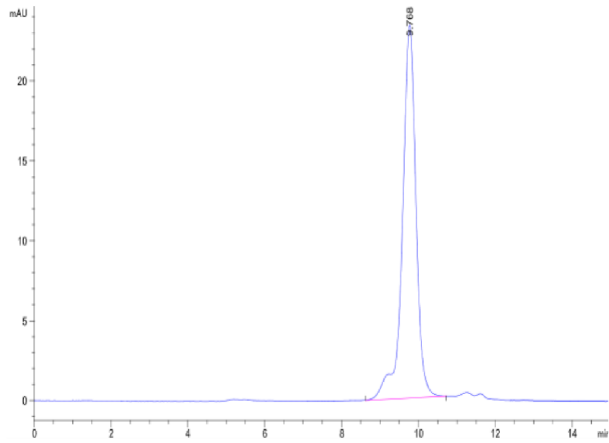
### SEC-HPLC

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## Assay Data



The purity of Biotinylated Mouse IL-23A is greater than 90% as determined by SEC-HPLC.