

# Mouse IL-27 Protein

Cat. No. IL2-MM127

## Description

<b>Source</b>	Recombinant Mouse IL-27 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Tyr19-Pro228 (IL-27B) and Phe29-Ser234 (IL-27A).
<b>Accession</b>	O35228(IL-27B)&Q8K3I6(IL-27A)
<b>Molecular Weight</b>	The protein has a predicted MW of 49.58 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 85% as determined by Bis-Tris PAGE > 85% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Interleukin (IL)-27, a member of the IL-6/IL-12 family, has an important role in modulating inflammation in partnership with innate and adaptive immune cells.

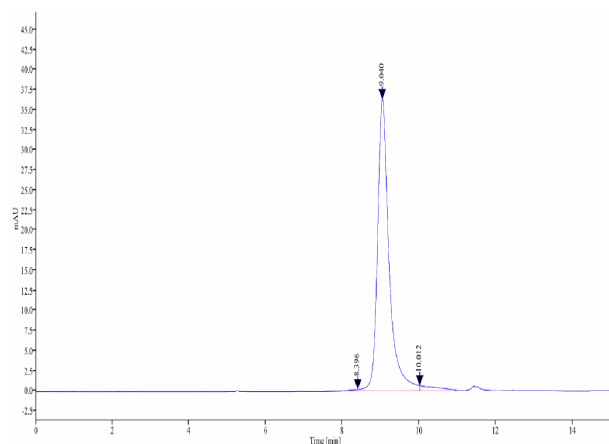
## Assay Data

### Bis-Tris PAGE



Mouse IL-27 on Bis-Tris PAGE under reduced condition. The purity is greater than 85%.

### SEC-HPLC



The purity of Mouse IL-27 is greater than 85% as determined by SEC-HPLC.

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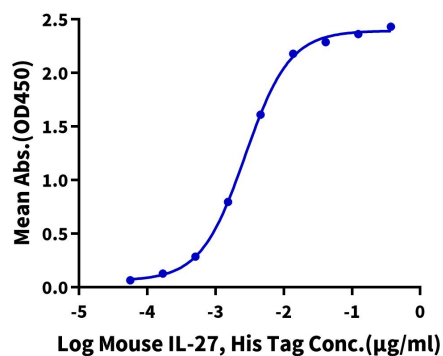
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## Assay Data

### ELISA Data

#### Mouse IL-27, His Tag ELISA

0.2µg Human IL-27RA, hFc Tag Per Well



Immobilized Human IL-27RA, hFc Tag (Cat. ILR-HM127) at 2µg/ml (100µl/well) on the plate. Dose response curve for Mouse IL-27, His Tag with the EC50 of 2.7ng/ml determined by ELISA.