

Mouse IL-31 RA Protein

Cat. No. ILR-MM1RA



Description

Source	Recombinant Mouse IL-31 RA Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Val19-Thr499.
Accession	Q8K5B1-1
Molecular Weight	The protein has a predicted MW of 56.3 kDa. Due to glycosylation, the protein migrates to 80-115 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

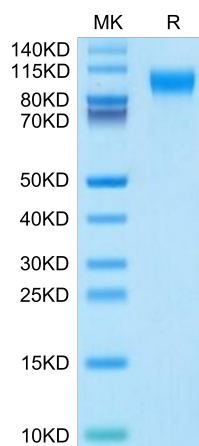
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Interleukin-31 receptor A (IL-31RA) is a newly identified type I cytokine receptor, that is related to gp130, the common receptor of the interleukin (IL) -6 family cytokines. IL-31RA forms a functional receptor complex for IL-31 together with the beta subunit of oncostatin M receptor (OSMRbeta). OSMRbeta is expressed in a subset of small-sized nociceptive neurons of adult dorsal root ganglia (DRGs). IL-31 and OSM may thus have redundant functions in the development of OSMRbeta-expressing neurons.

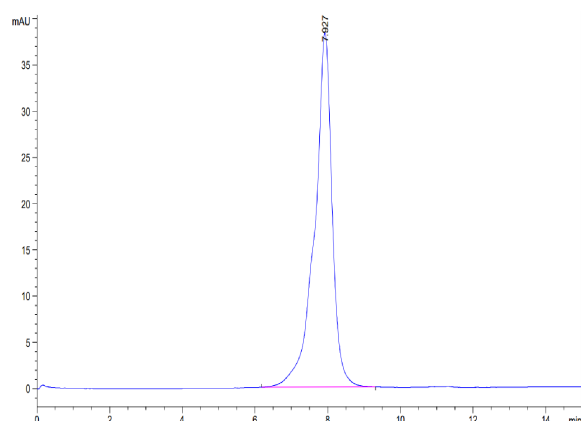
Assay Data

Bis-Tris PAGE



Mouse IL-31 RA on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse IL-31 RA is greater than 95% as determined by SEC-HPLC.