Mouse IL-23R Protein

Cat. No. ILR-MM123

Description

Source	Recombinant Mouse IL-23R Protein is expressed from Expi293 with His tag at the C-terminal.
	It contains Gly24-Gly374.
Accession	Q8K4B4
Molecular Weight	The protein has a predicted MW of 41.48 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

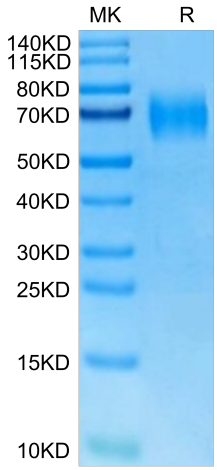
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

Interleukin 23 (IL-23) is a heterodimeric cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12. The functional IL-23 receptor complex consists of two receptor subunits, the IL-12 receptor beta 1 subunit (IL-12 R beta 1) and the IL-23-specific receptor subunit (IL-23 R).This receptor associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade.

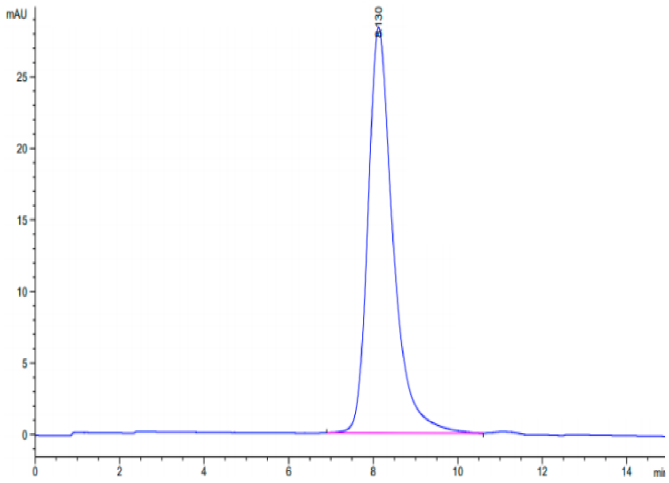
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



The purity of Mouse IL-23R is greater than 95% as determined by SEC-HPLC.

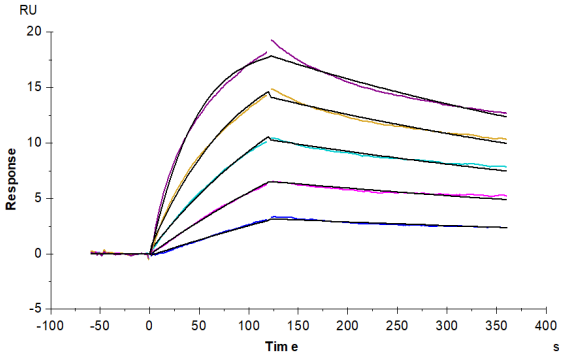
For Research Use Only

Mouse IL-23R Protein

Cat. No. ILR-MM123

Assay Data

SPR Data



Mouse IL-23R, His Tag immobilized on CM5 Chip can bind Mouse IL-23 alpha&IL-12 beta, His Tag with an affinity constant of 6.31 nM as determined in SPR assay (Biacore T200).

For Research Use Only