

Mouse IL-6 Protein

Cat. No. IL6-MM106

Description

Source	Recombinant Mouse IL-6 Protein is expressed from HEK293 with His tag at the N-terminus. It contains Phe25-Thr211.
Accession	P08505
Molecular Weight	The protein has a predicted MW of 22.83 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

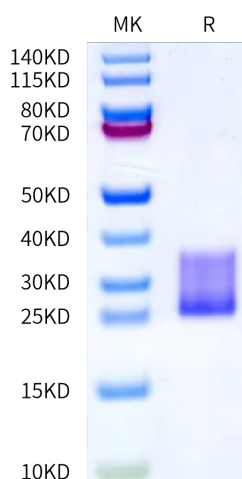
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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

IL-6 (Interleukin-6) is a pleiotropic cytokine that acts in the acute phase reaction, inflammation, hematopoiesis, bone metabolism, and cancer progression. Interleukin 6 has been shown to interact with interleukin-6 receptor and glycoprotein.

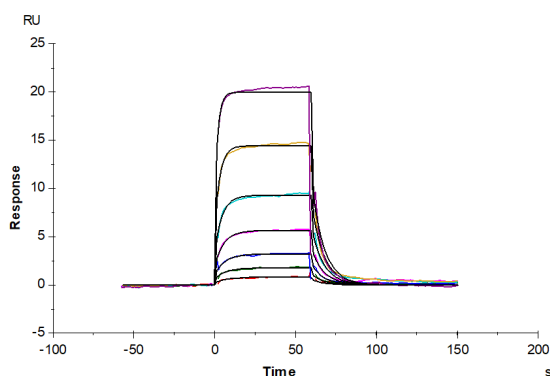
Assay Data

Bis-Tris PAGE



Mouse IL-6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SPR Data



Mouse IL-6 R alpha, His Tag immobilized on CM5 Chip can bind Mouse IL-6, His Tag with an affinity constant of 0.15 μM as determined in SPR assay (Biacore T200).