

Mouse IL-3 Protein, Ultra Low Endotoxin

Cat. No. IL3-MM201-UL

Description

Source	Recombinant Mouse IL-3 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-Terminus. It contains Ala27-Cys166.
Accession	P01586
Molecular Weight	The protein has a predicted MW of 42.2 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

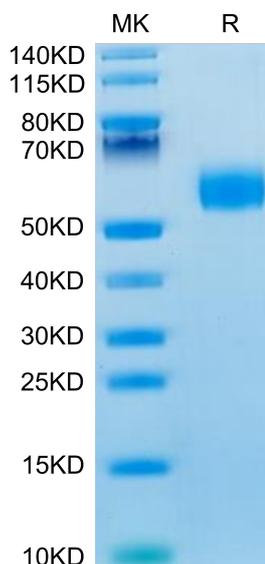
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

Interleukin 3 is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes.

Assay Data

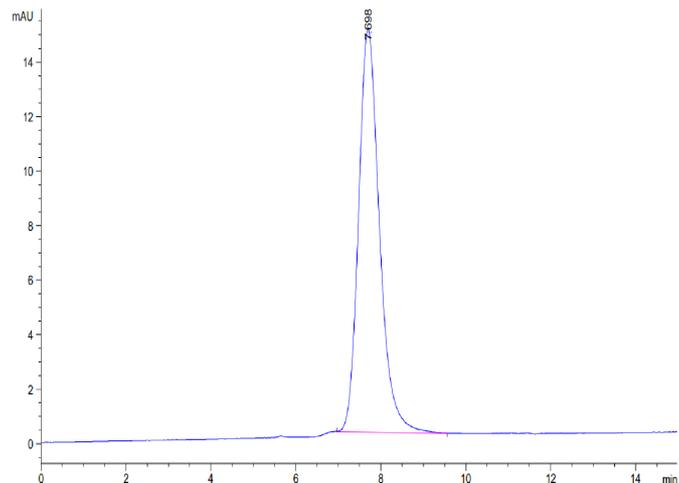
Bis-Tris PAGE



Mouse IL-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

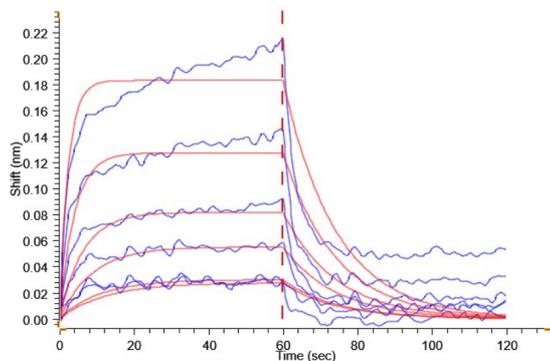
SEC-HPLC

Assay Data



The purity of Mouse IL-3 is greater than 95% as determined by SEC-HPLC.

BLI Data



Loaded Mouse IL-3, hFc Tag on ProA-Biosensor can bind Mouse IL-3 R alpha, His Tag with an affinity constant of 0.79 μ M as determined in BLI assay .