Canine LIF R/CD118 Protein

Cat. No. LIF-DM10R

Description

Source	Recombinant Canine LIF R/CD118 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Glu45-Ser833.
Accession	AAU43788.1
Molecular Weight	The protein has a predicted MW of 91.21 kDa. Due to glycosylation, the protein migrates to 120-150 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
	> 95% as determined by HPLC

Formulation and Storage

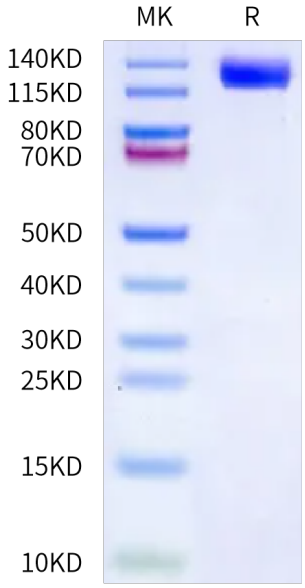
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

The leukemia inhibitory factor receptor (LIF-R) subunit is a component of cell-surface receptor complexes for the multifunctional cytokines, LIF, cardiotrophin-1, ciliary neurotrophic factor, and human oncostatin M. The structure of the human LIF-R gene is similar to that of the mouse gene. The transmembrane receptor is encoded by 19 exons.

Assay Data

Bis-Tris PAGE



Canine LIF R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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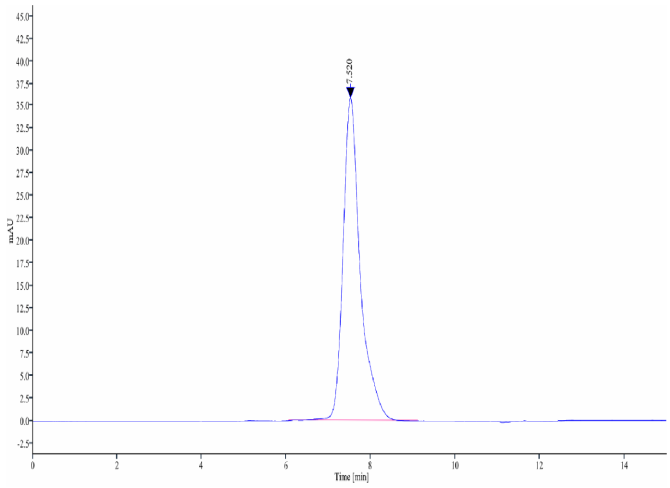
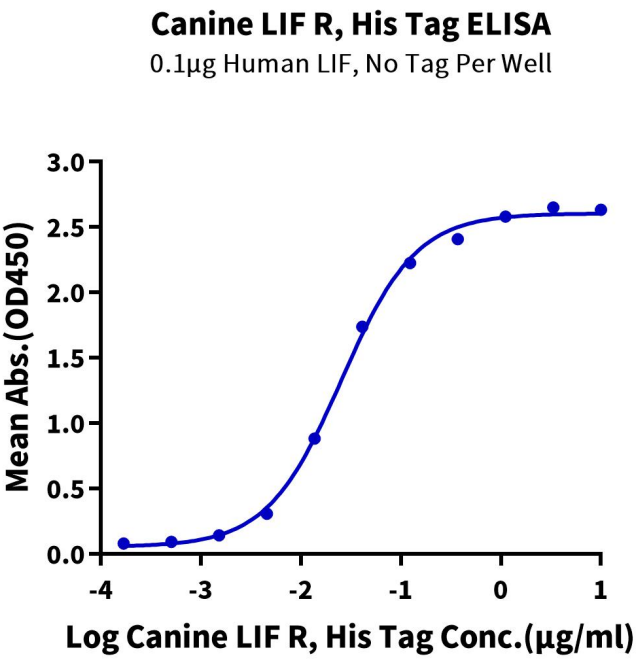
Assay Data



The purity of Canine LIF R is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human LIF, No Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Canine LIF R, His Tag with the EC50 of 25.4ng/ml determined by ELISA.