Human FLT3 Ligand Protein

Cat. No. FLT-HM13L

Description

Source	Recombinant Human FLT3 Ligand Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Thr27-Pro185.
Accession	P49771-1
Molecular Weight	The protein has a predicted MW of 19.1 kDa. Due to glycosylation, the protein migrates to 28-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

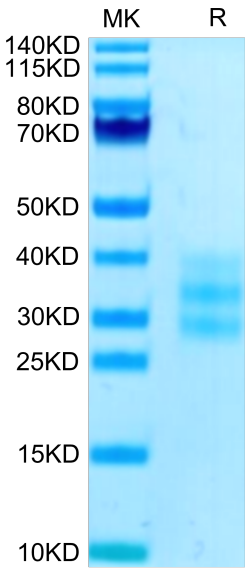
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

Flt3 Ligand, also known as FL, is an alpha -helical cytokine that promotes the differentiation of multiple hematopoietic cell lineages.Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins.

Assay Data

Bis-Tris PAGE



Human FLT3 Ligand on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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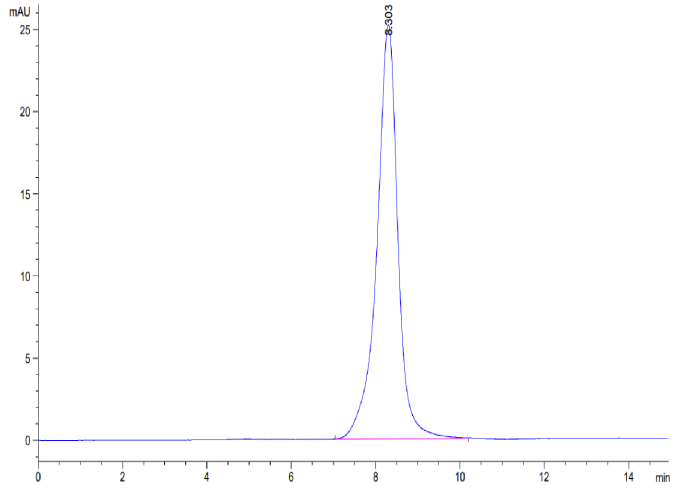
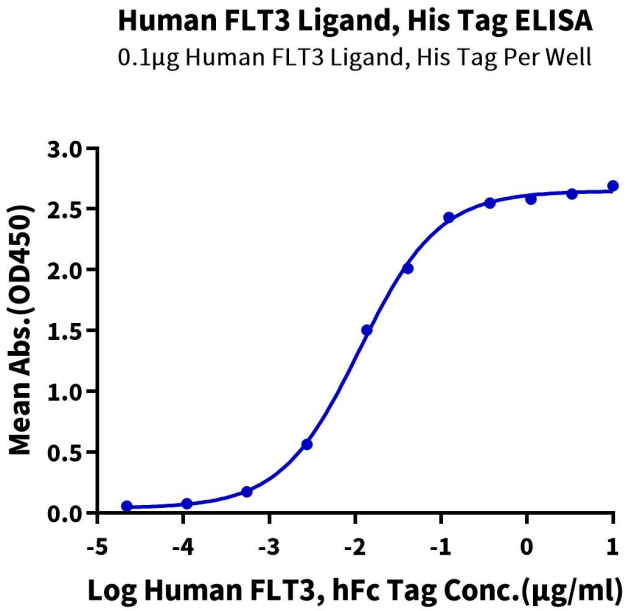
Assay Data



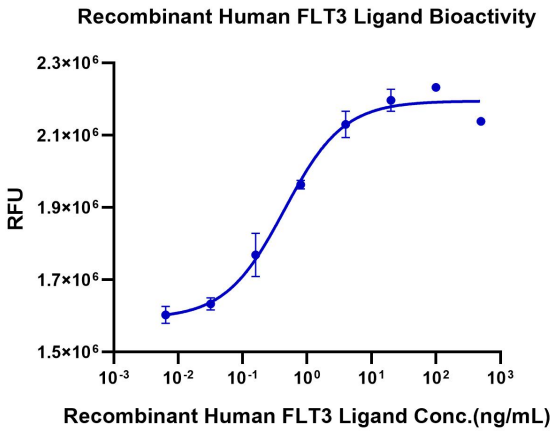
The purity of Human FLT3 Ligand is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human FLT3 Ligand, His Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Human FLT3, hFc Tag with the EC50 of 13.4ng/ml determined by ELISA (QC Test).

Cell Based Assay



The ED50 was determined by the dose-dependent stimulation of the proliferation of human AML5 cells is < 2.0 ng/ml.