

# Mouse FLT3 Ligand Protein

Cat. No. FLT-MM13L

## Description

<b>Source</b>	Recombinant Mouse FLT3 Ligand Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly27-Gln189.
<b>Accession</b>	P49772-1
<b>Molecular Weight</b>	The protein has a predicted MW of 19.61 kDa. Due to glycosylation, the protein migrates to 28-38 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

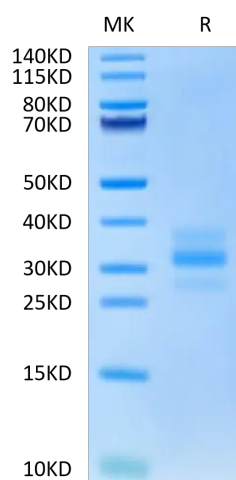
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days 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.

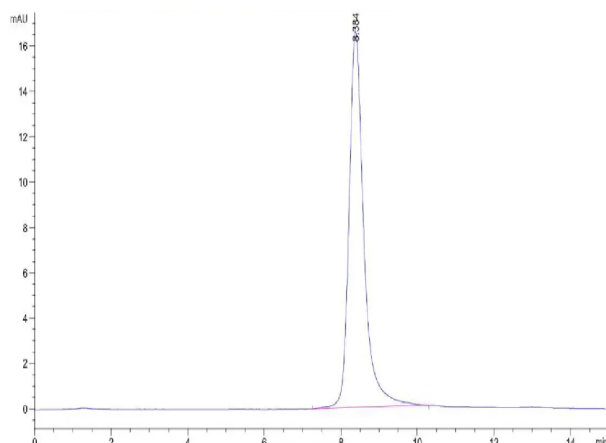
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



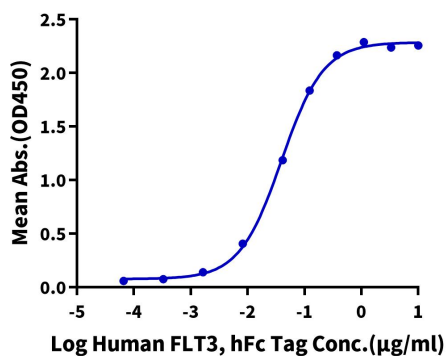
The purity of Mouse FLT3 Ligand is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

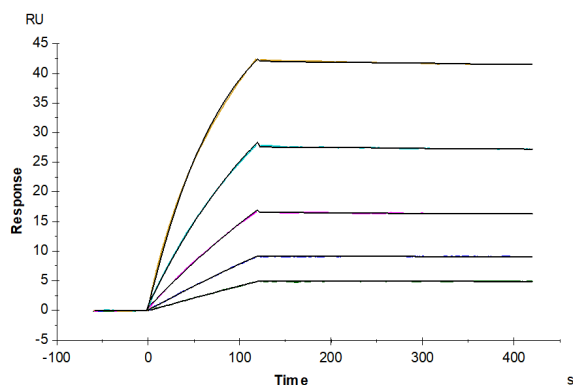
**Mouse FLT3 Ligand, His Tag ELISA**

0.1µg Mouse FLT3 Ligand, His Tag Per Well



Immobilized Mouse FLT3 Ligand, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human FLT3, hFc Tag with the EC50 of 39.3ng/ml determined by ELISA (QC Test).

SPR Data



Mouse FLT3 Ligand, His Tag captured on CM5 Chip via anti-his antibody can bind Human FLT3, hFc Tag with an affinity constant of 0.18 nM as determined in SPR assay (Biacore T200).