

Human FLT3 Ligand Protein

Cat. No. FLT-HM23L

Description

Source	Recombinant Human FLT3 Ligand Protein is expressed from Expi293 with hFc at the C-terminal. It contains Thr27-Pro185.
Accession	P49771-1
Molecular Weight	The protein has a predicted MW of 44.8 kDa. Due to glycosylation, the protein migrates to 90-118 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

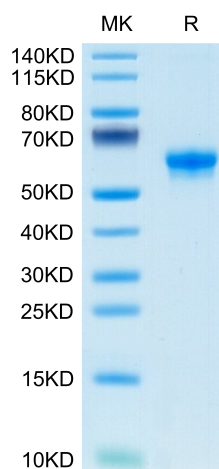
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose and 0.01% tween is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended (usually we use 1mg/ml solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid 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

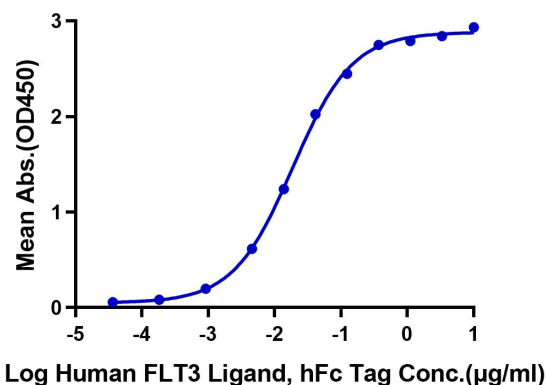
Tris-Bis PAGE



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

ELISA Data

Human FLT3 Ligand, hFc Tag ELISA
0.05 μg Human FLT3, His Tag Per Well



Immobilized Human FLT3, His Tag at 0.5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{Well}$) on the plate. Dose response curve for Human FLT3 Ligand, hFc Tag with the EC50 of 18.7ng/ml determined by ELISA.

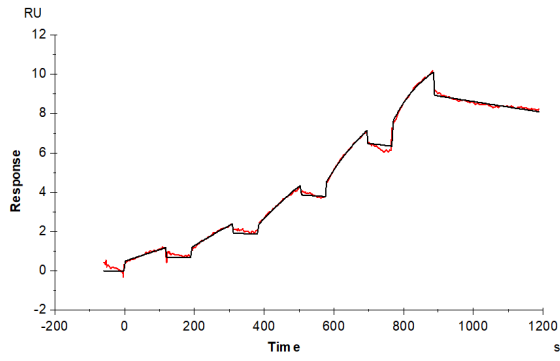
SPR Data

For Research Use Only

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Human FLT3 Ligand, hFc Tag immobilized on CM5 Chip can bind Mouse FLT3, hFc Tag with an affinity constant of 35.07 nM as determined in SPR assay (Biacore T200).