Human FLT3 Ligand Protein

Cat. No. FLT-HE03L

Description

Source	Recombinant Human FLT3 Ligand Protein is expressed from E.coli without tag.
	It contains Thr27-Ala181.
Accession	P49771-1
Molecular Weight	The protein has a predicted MW of 17.61 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

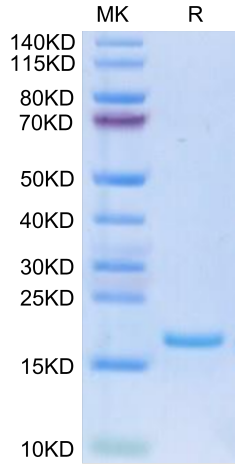
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

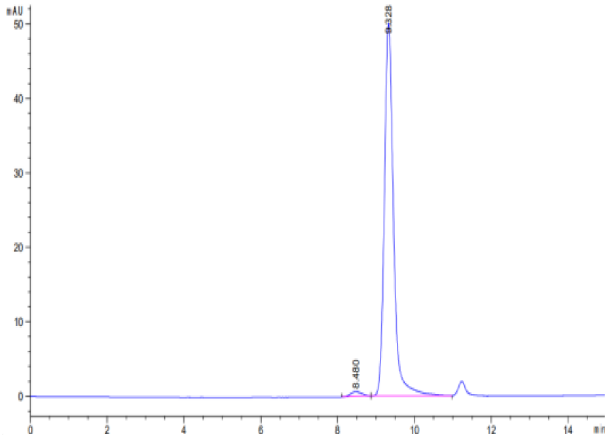
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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

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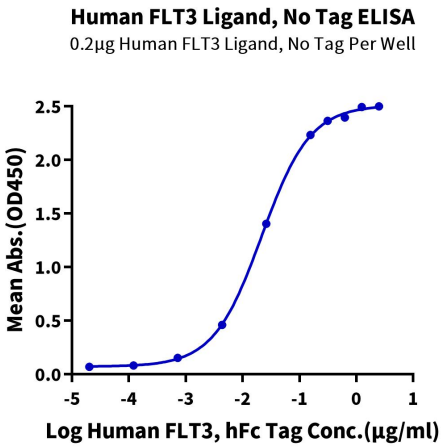
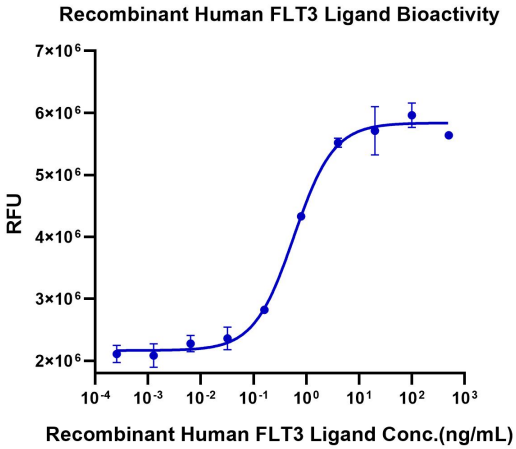
Assay Data

ELISA Data



Immobilized Human FLT3 Ligand, No Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Human FLT3, hFc Tag with the EC50 of 21.7ng/ml determined by ELISA.

Cell Based Assay



The ED50 was determined by the dose-dependent stimulation of the proliferation of human AML5 cells is < 1.0 ng/ml. (QC Test)