

Human FLT3 Ligand Protein, mFc-His Tag

Catalog No: #AP89560

Package Size: #AP89560-1 10ug #AP89560-2 100ug

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Description

Product Name	Human FLT3 Ligand Protein, mFc-His Tag
Host Species	HEK293
Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Species Reactivity	Human
Immunogen Description	FLT3 Ligand(Thr27-Pro185)+mFc(Pro99-Lys330)+6xHis tag
Other Names	FLT3LG, FL, FLT3L, Flt3 ligand
Calculated MW	45.6 kDa
Tag Info	C-Mouse Fc and 6xHis tag
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 40% trehalose is added as protectants before lyophilization.
Storage	Store at -80°C for 12 months (Avoid repeated freezing and thawing)

Images

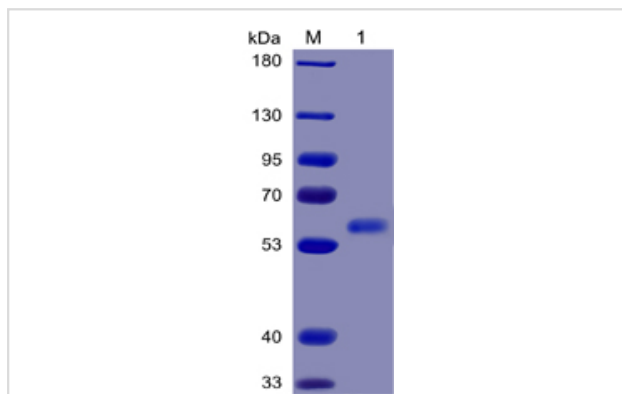


Figure 1. Human FLT3 Ligand Protein, mFc-His Tag on SDS-PAGE under reducing condition.

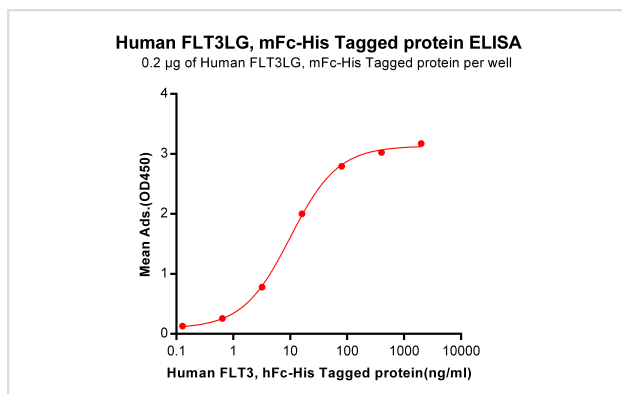


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human FLT3LG, mFc-His tagged protein can bind Human FLT3, hFc-His tagged protein in a linear range of 0.128-10.02 ng/ml.



FLT3 Ligand
(Thr27-Pro185)

mFc(Pro99-Lys330)

6 × His tag

Product Description

Expression Region:600Research Topic:FMS-like tyrosine kinase 3 ligand (Flt-3 Ligand) is also known as FL, Flt3L and FLT3LG, is an α -helical cytokine that promotes the differentiation of multiple hematopoietic cell lineages. FLT3LG is expressed as a noncovalentlylinked dimer by T cells and bone marrow and thymic fibroblasts. Each 36 kDa chain carries approximately 12 kDa of N- and O- linked carbohydrates. FLT3LG is structurally homologous to stem cell factor (SCF) and colony stimulating factor 1 (CSF-1). FLT3LG acts as a growth factor that increases the number of immune cells by activating the hematopoietic progenitors. It also induces the mobilization of the hematopoietic progenitors and stem cells in vivo which may help the system to kill cancer cells. FLT3LG induces the expansion of monocytes and immature dendritic cells as well as early B cell lineage differentiation. FLT3LG cooperates with IL2, IL6, IL7, and IL15 to induce NK cell development and with IL3, IL7 and IL11 to induce terminal B cell maturation. Animal studies also show FLT3LG to reduce the severity of experimentally induced allergic inflammation. FLT3LG is crucial for steady-state pDC and cDC development. A lack of FLT3L results in low levels of DCs.

Note: This product is for in vitro research use only