

Datasheet for ABIN2181107
FLT3LG Protein (AA 27-185)

2 Images

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Overview

Quantity:	50 µg
Target:	FLT3LG
Protein Characteristics:	AA 27-185
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Brand:	ActiveMax®
Sequence:	AA 27-185
Characteristics:	This protein carries no "tag". The protein has a calculated MW of 18.9 kDa. The protein migrates as 25-30 kDa under reducing (R) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FLT3LG
Alternative Name:	Flt-3 Ligand (FLT3LG Products)
Background:	FMS-like tyrosine kinase 3 ligand (Flt-3 Ligand) is also known as FL, Flt3L and FLT3LG, is an α-

Target Details

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.

Molecular Weight:	18.0 kDa
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Pathways:	RTK Signaling
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Application Details

Restrictions:	For Research Use only
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Handling

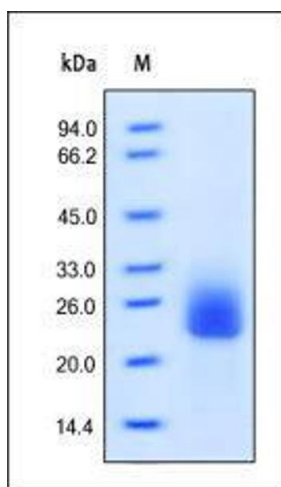
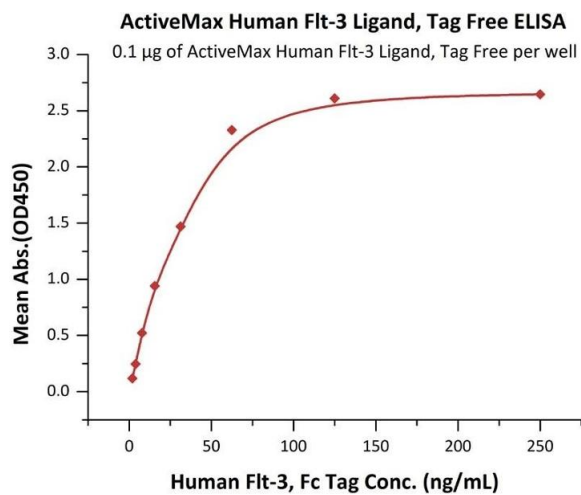
Format:	Lyophilized
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Buffer:	PBS, pH 7.4
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Handling Advice:	Please avoid repeated freeze-thaw cycles.
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Storage:	-20 °C
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Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C-8 °C), After reconstitution under sterile conditions for 1 month (4 °C-8 °C) or 3 months (-20 °C to -70 °C).
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ELISA

Image 1. Immobilized Human Flt-3 Ligand, Tag Free (ABIN2181107,ABIN3071731,ABIN2693588) at 1 µg/mL (100 µL/well) can bind Human Flt-3, Fc Tag (ABIN6731308,ABIN6809860) with a linear range of 2-31 ng/mL (QC tested).

SDS-PAGE

Image 2.