

Flt-3L
Catalog # PVGS1391**Specification**

Flt-3L - Product Information

Primary Accession [P49772](#)
Species
Mouse

Sequence
Gly27-Arg188

Purity
> 95% as analyzed by SDS-PAGE

Endotoxin Level
< 0.2 EU/ µg of protein by gel clotting method

Biological Activity
ED₅₀ < 10.0 ng /ml, measured in a cell proliferation assay using AML5 cells.

Expression System
CHO

Formulation **Lyophilized after extensive dialysis against PBS.**

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH₂O or PBS up to 100 µg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Flt-3L - Additional Information

Gene ID 14256

Other Names
Fms-related tyrosine kinase 3 ligand, Flt3 ligand, Flt3L, SL cytokine, Flt3lg, Flt3l

Target Background
Flt3L, also known as Fms-related tyrosine kinase 3 ligand and SL cytokine, is a single-pass type I membrane protein. It is expressed by stromal cells and T cells. Flt3L signals through tyrosine kinase receptor Flt3/Flk2 to stimulate the proliferation of early hematopoietic progenitor cells. It synergizes with other growth factors, such as GM-CSF, IL-3 and CSF, to promote the differentiation of both myeloid and lymphoid cells. Alternative splicing and proteolytic cleavage of

membrane-bound Flt3L generates a soluble extracellular domain (ECD) isoform with full biological activity.

Flt-3L - Protein Information

Name Flt3lg

Synonyms Flt3l

Function

Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins. Essential for the development of natural killer (NK) cells, B cells, and dendritic cells (DCs).

Cellular Location

Cell membrane; Single-pass type I membrane protein [Isoform 4]: Secreted. Note=Inactive.

Flt-3L - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Flt-3L - Images