

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant Flt-3L, His, Mouse

Catalog Number: BK0202-50µg

Source: CHO

Quantity: 50µg

Description:

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.

Molecular Weight:

24-30 kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 10 ng /ml, measured in a cell proliferation assay using AML5 cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

GTPDCYFSHSPISSNFKVKFRELT-
DHLLKDYPVTAVNQLQDEKHCK-
ALWSLFLAQRWIEQLKTVAGSKMQTLLEDVN-
TEIHFVTSCTFQPLPECLRFVQTNISH-
LLKDTCTQLLALKPCIGKACQNFSR-
CLEVQCQPDSSTLLPPRSPIALEATELPEP-
RPRHHHHHH

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH2O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant murine Flt3L, His remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, murine Flt3L, His should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Usage:

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