

Rev03
Update: Dec,14,2021

DATASHEET

Flt-3L, His, Mouse

Cat. No.: Z03227

Product Introduction

Species	Mouse				
Protein Construction	<table><tr><td>Flt-3L (Gly27-Arg188) Accession # P49772</td><td>Poly-His</td></tr><tr><td>N-term</td><td>C-term</td></tr></table>	Flt-3L (Gly27-Arg188) Accession # P49772	Poly-His	N-term	C-term
Flt-3L (Gly27-Arg188) Accession # P49772	Poly-His				
N-term	C-term				
Purity	> 95% as analyzed by SDS-PAGE				
Endotoxin Level	< 0.2 EU/μg of protein by gel clotting method				
Biological Activity	ED ₅₀ < 10.0 ng /ml, measured in a cell proliferation assay using AML5 cells.				
Expression System	CHO				
Apparent Molecular Weight	24-30 kDa, on SDS-PAGE under reducing conditions.				
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 ddH ₂ O 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.				

Background

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.

Synonyms : Flt3 ligand; Flt3LG; SL cytokine; Fms-related tyrosine kinase 3 ligand

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