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Animal-Free Recombinant Human Flt3-Ligand

Catalog # PBG10543

Specification

Animal-Free Recombinant Human Flt3-Ligand - Product Information

Animal-Free Recombinant Human Flt3-Ligand - Additional Information

Description
Flt3-Ligand is a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand binds to cells expressing the tyrosine kinase receptor Flt3. Flt3-Ligand, by itself does not stimulate proliferation of early hematopoietic cells, but synergizes with other CSFs and interleukins to induce growth and differentiation. Unlike SCF, Flt3-Ligand exerts no activity on mast cells. Multiple isoforms of Flt3-Ligand have been identified. The predominant biologically active form is anchored to the cell surface as the extracellular domain of a transmembrane protein (209 a.a.). The membrane-bound isoform can be proteolytically cleaved to generate a biologically active soluble isoform. Recombinant human Flt3-Ligand is a soluble 17.6 kDa protein consisting of 155 amino acid residues.

BiologicalActivity
The ED₅₀ was determined by the dose-dependent stimulation of the proliferation of human AML5 cells is ≤ 1.0 ng/ml, corresponding to a specific activity of ≥ 1 x 10⁶ units/mg.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Animal-Free Recombinant Human Flt3-Ligand is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human Flt3-Ligand - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Animal-Free Recombinant Human Flt3-Ligand - Images