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Flt3-Ligand Rhesus Macaque

Flt3-Ligand Rhesus Macaque Recombinant
CYK0158

Product Overview

Name	Flt3-Ligand Rhesus Macaque

Description

Flt3-Ligand Rhesus Macaque Recombinant

Synonyms

Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3.

Introduction

FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.

Stability

Lyophilized Flt3 Ligand Rhesus Macaque although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Flt3 Ligand Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by SDS-PAGE.

Amino acid sequence

TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVPSNLQD EELCGALWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQHP PSCLRFVQTN ISRLLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP PPRSPGALEA TALTAPQRP

Biological Activity

The ED50 as calculated by the dose-dependant stimulation of the proliferation of human AML5 cells is less than 1.0ng/ml, corresponding to a specific activity of 1,000,000IU/mg.

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Solubility

It is recommended to reconstitute the lyophilized Flt3 Ligand in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Flt3-Ligand Rhesus Macaque is for research use only and not for use in diagnostic or therapeutic procedures.