

32-20123: Recombinant Murine Flt3-Ligand(Discontinued)

Reactivity : Human, Mouse, Rat

Alternative Name : Fms-related tyrosine kinase 3 ligand, FltL

Description

Source: **E.coli** 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 has 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 Murine Flt3-Ligand is a soluble 18.6 kDa protein consisting of 163 amino acid residues.

Product Info

Amount : 2 µg / 10 µg

Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNLQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ
TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS
TLLPPRSPIA LEATELPEPR PRQ

Application Note

Determined by the dose-dependent stimulation of the proliferation of human AML5 cells. The expected ED_{50} for this effect is 5.0 – 8.0 ng/ml.