

Product: Flt3-Ligand, Murine Recombinant
Catalog #: 11-FLT3-M
Amount: 5 µg

DESCRIPTION: Recombinant Murine Flt3-Ligand produced in E.Coli is non-glycosylated, polypeptide chain containing 144 amino acids and having a molecular mass of 16431 Dalton.
rHuFlt3-Ligand is purified by proprietary chromatographic techniques.
The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Gln-Asp-Cys-Ser.

SOURCE: *Escherichia Coli.*

PURITY: Greater than 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rmFlt3-Ligand.

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a standard of Flt3-Ligand as a Reference Standard.

CONCENTRATION: 0.1 mg/ml

BIOLOGICAL ACTIVITY: rmFlt3-Ligand is fully biologically active when compared to standard.
The activity is determined by the ability to generate CD11c+ splenic dendritic cells in vivo in C57B1/6-12 week female mice. To obtain the desired affect, mice were treated with approximately 25ug of flt3-ligand once daily for 9 consecutive days via intraperitoneal injection.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles

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