Rhesus Macaque Flt3-Ligand

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
2 µg	1400.900.050		
10 µg	1400.900.100		
1 mg	1400.900.199		

Please enquire for bulk quantities and other vial sizes.

Description

Flt3 Ligand Rhesus Macaque Recombinant produced in *E.Coli* is a single, non-glycosylated, polypeptide chain containing 159 amino acids and having a molecular mass of 18.0 kDa.

- **Biological Activity** ≥ 1 x 10^6 IU/mg.
- **Source** *E. coli*
- **Purity** ≥ 97 % (SDS-PAGE)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

The ED_{50} as calculated by the dose-dependant stimulation of the proliferation of human AML5 cells is less than 1.0 ng/ml, corresponding to a specific activity of 1,000,000IU/mg.

Reconstitution

It is recommended to reconstitute the lyophilized Flt3 Ligand in sterile 18MΩ-cm H_2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

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 avoid repeated freeze-thaw cycles.

Amino Acid Sequence

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

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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