

Recombinant Human Flt3 Ligand

Catalog Number	Size
AG134-10	10µg
AG134-50	50µg

Specifications and Use

Description	Recombinant Human Flt3-Ligand is a soluble 17.6kDa polypeptide containing 155 amino acid residues, which comprises of the extracellular transmembrane domain of the Flt3-ligand protein. Flt3-ligand (flk2-ligand) stimulates the proliferation and colony formation of certain BM precursor cells including CD34+ cells.
Source	E. coli.
Molecular Mass	17.6kDa.
Purity	≥98%, as determined by SDS-PAGE and HPLC method.
Endotoxin Level	≤10EU/mg, determined by the LAL method.
Biological Activity	rHuFlt3-L is fully biologically active when compared to standards. Its specific activity is .1.106 units/mg.
Formulation	Lyophilized from a 0.2µm filtered solution in 20mM Tris-HCl, 20mM NaCl, pH7.4.
Reconstitution	It is recommended to reconstitute the lyophilized rHuFlt3-L in sterile ddH2O not less than 100µg/ml of the cytokine solution.
Storage	Lyophilized samples are stable for greater than six months from date of receipt at -20°C to -70°C. The reconstituted samples should be stored under sterile condition in working aliquots at -20°C to -70°C. Avoid repeated freeze-thaw cycles.

Human Flt3-Ligand

Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3-LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8(see MIM 186910)-positive classical DCs and their CD103-positive tissue counterparts.

FOR RESEARCH USE ONLY