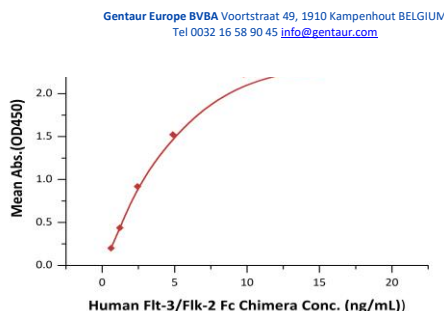


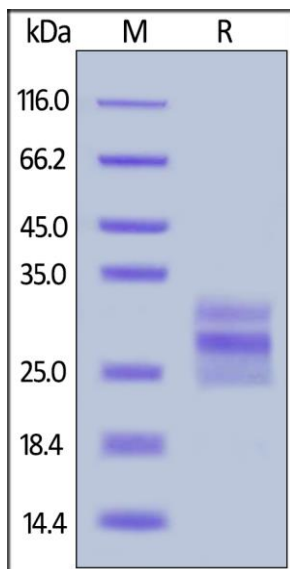
Human CellExp™ FLT-3 Ligand, Mouse Recombinant

| | |
|-----------------------------|---|
| CATALOG #: | P1382-50 P1382-10 |
| AMOUNT: | 50 µg 10 µg |
| ALTERNATE NAMES: | FLT3LG, FL, FLT3L, Flt3 ligand |
| MOL. WT. | The protein has a calculated MW of 20.2 kDa. The protein migrates as 25-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| SOURCE: | HEK 293 cells |
| PURITY: | >90% as determined by SDS-PAGE. |
| ENDOTOXIN: | Less than 1.0 EU per µg by the LAL method |
| FORM: | Lyophilized |
| FORMULATION: | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization. |
| RECONSTITUTION: | Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. It is recommended to store at -20°C. |
| SPECIFIC ACTIVITY: | Immobilized Mouse Flt-3 Ligand, His Tag at 1 µg/mL (100 µL/well) can bind Human Flt-3/Flk-2 Fc Chimera with a linear range of 1-5 ng/mL |
| STORAGE CONDITIONS: | Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles. |
| DESCRIPTION: | FMS-like tyrosine kinase 3 ligand (Flt-3 Ligand) is also known as FL, Flt3L and FLT3LG, is an α-helical cytokine that promotes the differentiation of multiple hematopoietic cell lineages. FLT3LG is expressed as a noncovalentlylinked dimer by T cells and bone marrow and thymic fibroblasts. Each 36 kDa chain carries approximately 12 kDa of N- and O- linked carbohydrates. FLT3LG is structurally homologous to stem cell factor (SCF) and colony stimulating factor 1 (CSF-1). FLT3LG acts as a growth factor that increases the number of immune cells by activating the hematopoietic progenitors. It also induces the mobilization of the hematopoietic progenitors and stem cells in vivo which may help the system to kill cancer cells. FLT3LG induces the expansion of monocytes and immature dendritic cells as well as early B cell lineage differentiation. FLT3LG cooperates with IL2, IL6, IL7, and IL15 to induce NK cell development and with IL3, IL7 and IL11 to induce terminal B cell maturation. Animal studies also show FLT3LG to reduce the severity of experimentally induced allergic inflammation. FLT3LG is crucial for steady-state pDC and cDC development. A lack of FLT3L results in low levels of DCs. |
| AMINO ACID SEQUENCE: | AA Gly 27 - Arg 188 |



Immobilized Mouse Flt-3 Ligand, His Tag at 1 µg/mL (100 µL/well) can bind Human Flt-3/Flk-2 Fc Chimera with a linear range of 1-5 ng/mL





Mouse Flt-3 Ligand, His Tag on SDS-PAGE under reducing (R) condition

RELATED PRODUCTS:

Human CellExp™ FLT-3 Ligand, Human Recombinant (6452)

FOR RESEARCH USE ONLY! Not to be used on humans.

Gentaur Europe BVBA Voorstraat 49, 1910 Kampenhout BELGIUM
Tel 0032 16 58 90 45 info@gentaur.com

