

Product datasheet for **PP1008B2**

Flt3 ligand (FLT3LG) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA <u>Direct:</u> To detect Human hFlt3-ligand by direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2–0.4 ng/well of recombinant Human Flt3-ligand. <u>Sandwich:</u> To detect Human Flt3-ligand by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with Polyclonal Anti-Human Flt3-ligand (PP1008P1 or PP1008P2) as a capture antibody, allows the detection of at least 0.2–0.4 ng/well of recombinant Human Flt3-ligand. Western Blot: To detect hFlt3-ligand by Western Blot analysis this antibody can be used at a concentration of 0.1–0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human Flt3-ligand is 1.5–3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant Human Flt3-ligand.
Specificity:	Recognizes Human Flt3-Ligand
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile PBS containing 0.1% BSA to a concentration of 0.1–1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2–8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.



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Stability:	Shelf life: One year from despatch.
Gene Name:	fms related tyrosine kinase 3 ligand
Database Link:	Entrez Gene 2323 Human P49771
Background:	Flt3 ligand is a ligand for the FLT3 tyrosine kinase receptor and belongs to a small group of growth factors that regulate proliferation of early hematopoietic cells. Multiple isoforms of Flt3 ligand have been identified. The predominant form is the transmembrane form, which is biologically active on the cell surface. When proteolytically cleaved the transmembrane isoform generates a soluble form, which is also biologically active. Flt3 ligand binds to cells expressing the tyrosine kinase receptor Flt3. Flt3 ligand alone cannot stimulate proliferation, but synergizes well with other CSFs and interleukins to induce growth and differentiation. hflt3-Ligand (flk2-ligand) stimulates the proliferation and colony formation of certain bone marrow precursor cells including CD34+ cells.
Synonyms:	SL cytokine, FLT3LG, Flt3L
Note:	Centrifuge vial prior to opening.
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Pathways in cancer