

Product datasheet for **AP20420PU-N**

Flt3 ligand (FLT3LG) Rabbit Polyclonal Antibody

Product data:

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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin Sections: 1/50-1/200. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Synthetic peptide, corresponding to amino acids 180-230 of Human Flt3-L. |
| Specificity: | This antibody detects endogenous levels of Flt3-L protein. (region surrounding His206) |
| Formulation: | Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide |
| Concentration: | 1.0 mg/ml |
| Purification: | Affinity Chromatography using epitope-specific immunogen |
| Conjugation: | Unconjugated |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | ~26 kDa |
| Gene Name: | fms related tyrosine kinase 3 ligand |
| Database Link: | Entrez Gene 2323 Human P49771 |



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Background:

Flt 3 ligand (Flt 3-L), variously designated Flt 3/Flk 2 ligand or FL, is a 17 kDa hematopoietic growth factor that stimulates the proliferation of stem and CD34+ progenitor cells and has been cloned from both mouse and human genomes. Flt 3-L is a potent in vitro growth stimulator of granulocytemacrophage colony-stimulating factor (GM-CSF), interleukin-3 (IL-3), and G-CSF-dependent granulocyte-macrophage committed precursors from Lin CD34+ bone marrow cells as well as other primitive B cell populations. Additionally, Flt 3-L stimulates the proliferation of hematopoietic progenitor cells isolated from mouse fetal liver or adult mouse bone marrow. Flt 3-L does not, however, affect the growth of erythroid-committed progenitors. A Flt-3 ligand exists in two forms and is active as both a soluble and as a membrane-bound ligand. The Flt 3-L receptor, Flt 3, is a tyrosine kinase expressed on CD34+ cells that shares a high degree of homology with the SCF (stem cell factor) receptor, c-Kit and c-Fms.

Synonyms:

SL cytokine, FLT3LG, Flt3L

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways:

Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Pathways in cancer

Product images:

Western blot analysis of Flt3-L antibody (Cat.-No.: AP20420PU-N) in extracts from Jurkat cells.