

DESCRIPTION

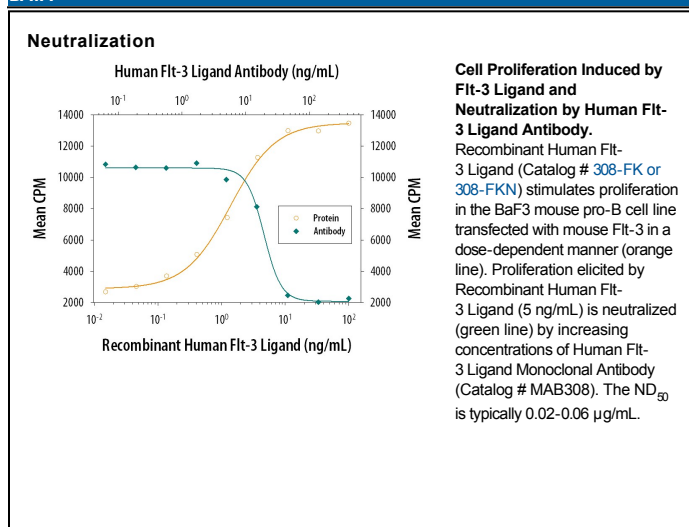
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|---------------------------|---|
| Species Reactivity | Human |
| Specificity | Detects human Flt-3 Ligand in direct ELISAs and Western blots. In direct ELISAs, this antibody does not cross-react with recombinant mouse Flt-3 Ligand. |
| Source | Monoclonal Mouse IgG ₁ Clone # 40406 |
| Purification | Protein A or G purified from ascites |
| Immunogen | <i>S. frugiperda</i> insect ovarian cell line Sf21-derived recombinant human Flt-3 Ligand Thr27-Pro185 Accession # AAA17999 |
| Endotoxin Level | <0.10 EU per 1 µg of the antibody by the LAL method. |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS. |

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|-----------------------|---------------------------|---|
| Western Blot | 1 µg/mL | Recombinant Human Flt-3 Ligand (Catalog # 308-FK) under non-reducing conditions only |
| Neutralization | | Measured by its ability to neutralize Flt-3 Ligand-induced proliferation in the BaF3 mouse pro-B cell line transfected with mouse Flt-3. Hannum, C. <i>et al.</i> (1994) <i>Nature</i> 368 :643. The Neutralization Dose (ND ₅₀) is typically 0.02–0.06 µg/mL in the presence of 5 ng/mL Recombinant Human Flt-3 Ligand. |

DATA



PREPARATION AND STORAGE

| | |
|--------------------------------|--|
| Reconstitution | Reconstitute at 0.5 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

Flt-3 Ligand, also known as Flk-2 Ligand, is a transmembrane protein that can be cleaved to release a soluble cytokine. Flt-3 Ligand binds Flt-3 and promotes the growth and differentiation of early hematopoietic progenitor cells.