

## DESCRIPTION

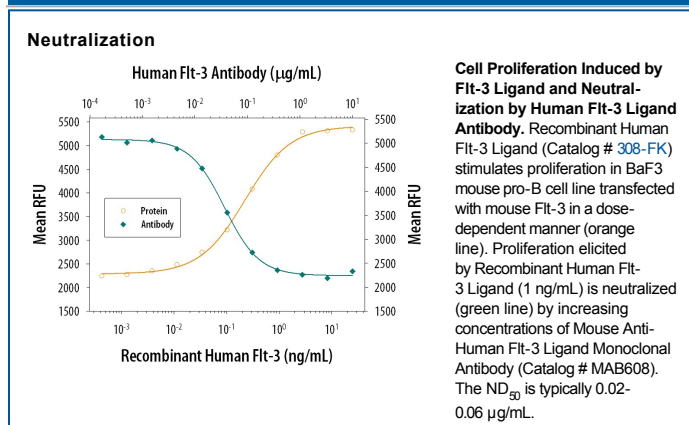
|                           |   |
|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects human Flt-3 Ligand in Western blots.  |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 40416   |
| <b>Purification</b>       | Protein A or G purified from ascites  |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Flt-3 Ligand Thr27-Pro185<br>Accession # AAA17999   |
| <b>Endotoxin Level</b>    | <0.10 EU per 1 µg of the antibody by the LAL method.  |
| <b>Formulation</b>        | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.<br>*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  |
|--|---|---|
| <b>Western Blot</b>                            | 1 µg/mL   | Recombinant Human Flt-3 Ligand (Catalog # 308-FK)           |
| <b>Human Flt-3 Ligand Sandwich Immunoassay</b> |   | <b>Reagent</b>  |
| <b>ELISA Capture</b>                           | 2-8 µg/mL   | Human Flt-3 Ligand Antibody (Catalog # MAB608)              |
| <b>ELISA Detection</b>                         | 0.1-0.4 µg/mL   | Human Flt-3 Ligand Biotinylated Antibody (Catalog # BAF308) |
| <b>Standard</b>                                |   | Recombinant Human Flt-3 Ligand (Catalog # 308-FKN)          |
| <b>Neutralization</b>                          | Measured by its ability to neutralize Flt-3 Ligand-induced proliferation in BaF3 mouse pro-B cell line transfected with mouse Flt-3. Hannum, C. <i>et al.</i> (1994) <i>Nature</i> <b>368</b> :643. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.02-0.06 µg/mL in the presence of 1 ng/mL Recombinant Human Flt-3 Ligand. |   |

## DATA



## PREPARATION AND STORAGE

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

## 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.