

## DESCRIPTION

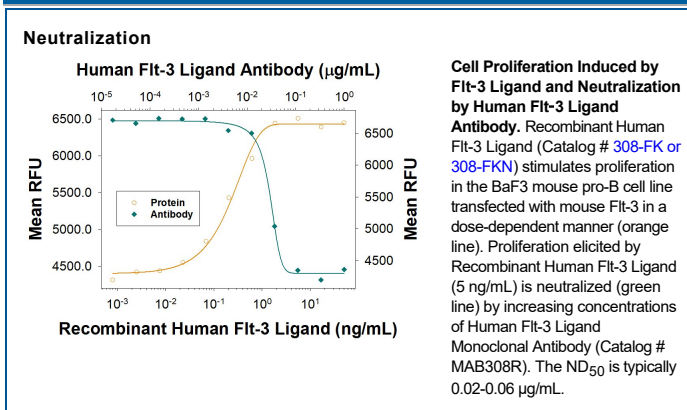
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|---------------------------|---|
| <b>Species Reactivity</b> | Human   |
| <b>Specificity</b>        | Detects human Flt-3 Ligand in direct ELISAs.  |
| <b>Source</b>             | Recombinant Monoclonal Mouse IgG <sub>1</sub> Clone # 40406R  |
| <b>Purification</b>       | Protein A or G purified from cell culture supernatant   |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line <i>Sf 21</i> -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.  |

## 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.

|                       |   |
|-----------------------|---|
| <b>Neutralization</b> | 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. et al. (1994) Nature 368:643. The Neutralization Dose (ND <sub>50</sub> ) is typically 0.02-0.06 µg/mL in the presence of 5 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.   |
| <b>Stability &amp; Storage</b> | <p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <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.