

Human Flt-3 Ligand/FLT3L Antibody

Recombinant Monoclonal Mouse IgG₁ Clone # 40406R Catalog Number: MAB308R

| DESCRIPTION | | |
|--------------------|---|--|
| Species Reactivity | Human | |
| Specificity | Detects human FIt-3 Ligand in direct ELISAs. | |
| Source | Recombinant Monoclonal Mouse IgG ₁ Clone # 40406R | |
| Purification | tion Protein A or G purified from cell culture supernatant | |
| Immunogen | nunogen S. frugiperda insect ovarian cell line Sf 21-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. | |

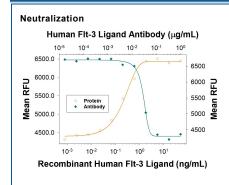
APPLICATIONS

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.

Neutralization

Measured by its ability to neutralize FIt-3 Ligand-induced proliferation in the BaF3 mouse pro-B cell line transfected with mouse FIt-3. Hannum, C. et al. (1994) Nature 368:643. The Neutralization Dose (ND50) is typically 0.02-0.06 µg/mL in the presence of 5 ng/mL Recombinant Human FIt-3 Ligand.

DATA



Cell Proliferation Induced by FIt-3 Ligand and Neutralization by Human Flt-3 Ligand Antibody. Recombinant Human Flt-3 Ligand (Catalog # 308-FK or 308-FKN) stimulates proliferation in the BaF3 mouse pro-B cell line transfected with mouse Flt-3 in a dose-dependent manner (orange line). Proliferation elicited by Recombinant Human Flt-3 Ligand (5 ng/mL) is neutralized (green line) by increasing concentrations of Human Flt-3 Ligand Monoclonal Antibody (Catalog # MAB308R). The ND₅₀ is typically 0.02-0.06 µg/mL.

| Chinning | The product is chipped at embient temper |
|----------------|---|
| 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.

Stability & Storage

PREPARATION AND STORAGE

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 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.

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