

DESCRIPTION

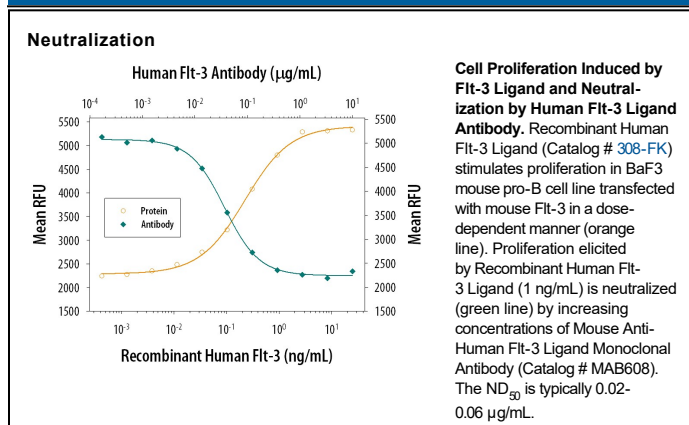
Species Reactivity	Human
Specificity	Detects human Flt-3 Ligand in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 40416
Purification	Protein A or G purified from ascites
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Flt-3 Ligand Thr27-Pro185 Accession # 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. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or 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)
Human Flt-3 Ligand Sandwich Immunoassay		Reagent
ELISA Capture	2-8 µg/mL	Human Flt-3 Ligand Antibody (Catalog # MAB608)
ELISA Detection	0.1-0.4 µg/mL	Human Flt-3 Ligand Biotinylated Antibody (Catalog # BAF308)
Standard		Recombinant Human Flt-3 Ligand (Catalog # 308-FKN)
Neutralization	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> 368 :643. The Neutralization Dose (ND ₅₀) is typically 0.02-0.06 µg/mL in the presence of 1 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.