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flt3-Ligand Antibody

CATALOG NUMBER: XP-5138

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, Neut, WB
APPLICATIONS:	<p>Neutralization: To yield one-half maximal inhibition [ND50] of the biological activity of hflt3- Ligand (15 ng/mL), a concentration of 0.25 - 0.75 ug/mL of this antibody is required.</p> <p>ELISA: To detect hflt3-Ligand by direct ELISA (using 100 uL/well antibody solution) a concentration of at least 0.5 ug/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hflt 3-Ligand.</p> <p>Sandwich: To detect hFGF-basic by sandwich ELISA (using 100 uL/well antibody solution) a concentration of 0.25 - 1.0 ug/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with our Polyclonal Anti-Human FGF-basic (XP-5138Bt) as a capture antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hFGF-basic.</p> <p>Western Blot: To detect hflt3-Ligand by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant hflt3-Ligand is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.</p>
USER NOTE:	Centrifuge vial prior to opening.
IMMUNOGEN:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hflt3-Ligand.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Anti-hflt3-Ligand specific antibody was purified by affinity chromatography employing immobilized hflt3-Ligand matrix.
PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	flt3-Ligand antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	FL, FLT3LFms-related tyrosine kinase 3 ligand, SL cytokine, Flt3 ligand
ACCESSION NO.:	P49771
PROTEIN GI NO.:	1706818
OFFICIAL SYMBOL:	FLT3LG
GENE ID:	2323

Background

BACKGROUND: Flt3-Ligand is a growth factor important for the proliferation of hematopoietic cells. Flt3-Ligand binds to, and transmits signals through, the receptor tyrosine kinase known as FMS-like Tyrosine Kinase-3 (FLT-3). Flt3-Ligand promotes long-term expansion and differentiation of human pro-B-cells in the presence of IL-7 or in combination of IL-7 and IL-3. Human Flt3-Ligand can stimulate the proliferation of cells expressing murine FLT-3 receptors.

FOR RESEARCH USE ONLY

March 9, 2018