

Datasheet: AHP770

Description:	RABBIT ANTI HUMAN Flt3 LIGAND
Specificity:	Flt3 LIGAND
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			0.5ug/ml
Immunoprecipitation			■	
Western Blotting	■			0.1 - 0.2ug/ml
Functional Assays	■			0.25 - 0.75ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - lyophilised
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB. For functional studies do not add azide.
Antiserum Preparation	Antisera to human Flt3-Ligand were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Recombinant human Flt3-Ligand.

**External Database
Links**

UniProt:

[P49771](#)

[Related reagents](#)

Entrez Gene:

[2323](#)

FLT3LG

[Related reagents](#)

Specificity

Rabbit anti Human Flt3 Ligand antibody recognizes the ubiquitously expressed human growth factor Flt3-Ligand (Flt3L), a 235aa type I transmembrane glycoprotein which regulates the proliferation of early haematopoietic cells.

Flt3L exists in both a membrane-bound and proteolytically cleaved soluble isoform, both of which are biologically active, and initiates cell proliferation/ differentiation signalling in co-operation with other colony stimulating factors (CSFs) and interleukins, by binding to and activating the tyrosine kinase receptor Flt3 (FLT3R), expressed highly by hematopoietic progenitor cells and stem cells.

ELISA

Rabbit anti Flt3 ligand antibody (**AHP770**) may be used in an indirect ELISA system or as a capture antibody in a sandwich ELISA for human Flt3L in combination with [AHP770B](#) as the detection antibody.

Further Reading

1. Graddis, T.J. *et al.* (1998) Structure-function analysis of FLT3 ligand-FLT3 receptor interactions using a rapid functional screen. [J Biol Chem. 273 \(28\): 17626-33.](#)
2. Wodnar-filipowicz, A. *et al.* (1996) Flt3 ligand level reflects hematopoietic progenitor cell function in aplastic anemia and chemotherapy-induced bone marrow aplasia. [Blood. 88 \(12\): 4493-9.](#)

Storage

Prior to reconstitution store at +4°C.

After reconstitution store at -20°C.

Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

12 months from date of reconstitution.

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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Printed on 11 Jul 2018

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