


## Product datasheet

### Anti-Flt3 ligand/Flt3L antibody [EP1140Y] ab52648

Recombinant RabMAb

★★★★☆ [3 Abreviews](#) [7 References](#) [5 Images](#)

#### Overview

<b>Product name</b>	Anti-Flt3 ligand/Flt3L antibody [EP1140Y]
<b>Description</b>	Rabbit monoclonal [EP1140Y] to Flt3 ligand/Flt3L
<b>Host species</b>	Rabbit
<b>Specificity</b>	The antibody has been tested against recombinant protein in western blotting, we do not have data regarding recognition of endogenous protein. We suggest K562 and HL-60 cells could be expressing Flt3 ligand/Flt3L. The antibody was raised against the extracellular domain of the protein, however please note permeabilisation in FACS greatly improves the signal.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, Flow Cyt (Intra), WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rhesus monkey 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	IHC-P: Human liver. WB: recombinant protein; ICC/IF: MCF7 cells; Flow Cyt (intra): Hela cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20

	Preservative: 0.01% Sodium azide
	Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP1140Y
<b>Isotype</b>	IgG

## Applications

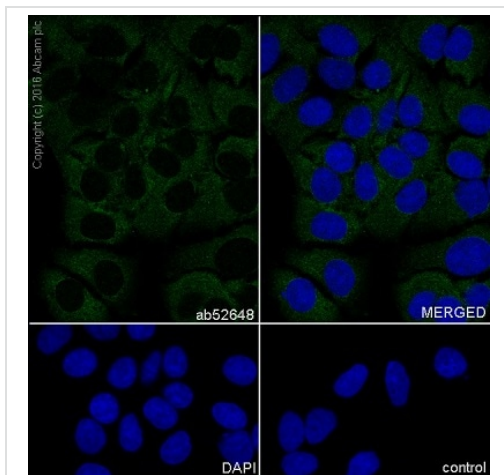
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab52648 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/250.
Flow Cyt (Intra)		1/50. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/100000. Detects a band of approximately 22 kDa (predicted molecular weight: 26 kDa).
IHC-P	★★★★★ (3)	1/180. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## Target

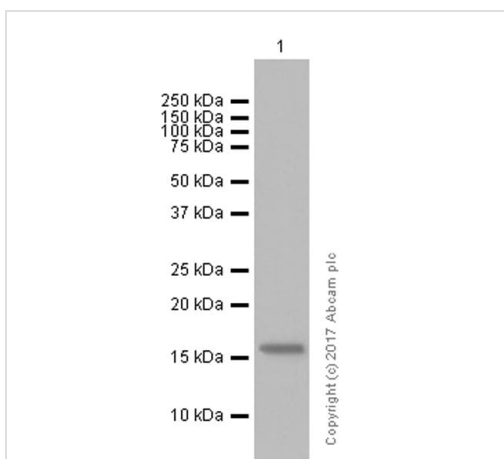
<b>Function</b>	Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins.
<b>Cellular localization</b>	Secreted and Cell membrane.

## Images



Immunocytochemistry/ Immunofluorescence - Anti-Flt3 ligand/Flt3L antibody [EP1140Y] (ab52648)

Immunocytochemistry/ Immunofluorescence analysis of MCF7 (Human breast adenocarcinoma epithelial cell) cells labeling Flt3 ligand/Flt3L with Purified ab52648 at 1:100 dilution. Cells were fixed in 100% Methanol and permeabilized with None. **ab150077** Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-Flt3 ligand/Flt3L antibody [EP1140Y] (ab52648)

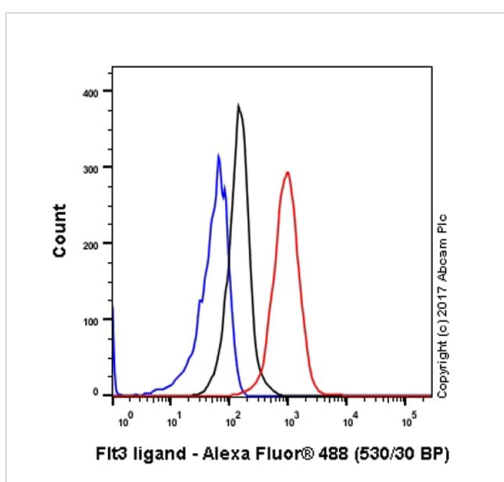
Anti-Flt3 ligand/Flt3L antibody [EP1140Y] (ab52648) at 1/100000 dilution (purified) + Human Flt3 ligand/Flt3L (aa 1 to 235) recombinant protein, 15ng

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

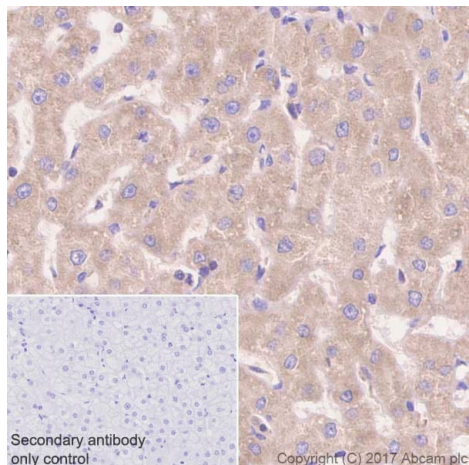
**Predicted band size:** 26 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-Flt3 ligand/Flt3L antibody [EP1140Y] (ab52648)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HeLa (Human cervix adenocarcinoma epithelial cell) cells labelling Flt3 ligand/Flt3L with ab52648 at 1/20 dilution (1µg) (Red) compared with a Rabbit monoclonal IgG (**ab172730**) / (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue sections labeling Flt3 ligand with purified ab52648 at 1:180 dilution (2.9 µg/ml). **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used for detection. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Flt3 ligand/Flt3L antibody [EP1140Y] (ab52648)

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Flt3 ligand/Flt3L antibody [EP1140Y] (ab52648)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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