

Anti-VEGF Receptor 3 antibody [EPR22293-58] ab243233

Recombinant RabMAb

3 Images

Overview

Product name	Anti-VEGF Receptor 3 antibody [EPR22293-58]
Description	Rabbit monoclonal [EPR22293-58] to VEGF Receptor 3
Host species	Rabbit
Tested applications	Suitable for: Indirect ELISA, Flow Cyt Unsuitable for: ICC/IF, IHC-P or WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Flow cyt: HEL cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22293-58
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab243233 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
Indirect ELISA		Use a concentration of 0.002 - 2 µg/ml.
Flow Cyt		1/500.

Application notes Is unsuitable for ICC/IF, IHC-P or WB.

Target

Function Receptor for VEGFC. Has a tyrosine-protein kinase activity.

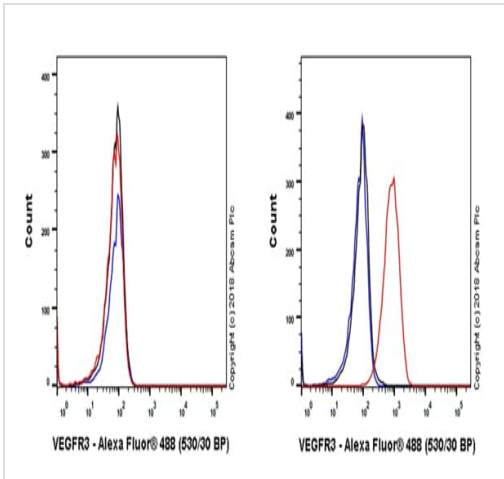
Tissue specificity Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas and brain.

Involvement in disease Defects in FLT4 are the cause of lymphedema hereditary type 1A (LMPH1A) [MIM:153100]; also known as Nonne-Milroy lymphedema or Milroy disease. Hereditary lymphedema is a chronic disabling condition which results in swelling of the extremities due to altered lymphatic flow. Patients with lymphedema suffer from recurrent local infections and physical impairment. Note=Defects in FLT4 are found in juvenile hemangioma. Juvenile hemangiomas are the most common tumors of infancy, occurring as many as 10% of all births. These benign vascular lesions enlarge rapidly during the first year of life by hyperplasia of endothelial cells and attendant pericytes, and then spontaneously involute over a period of years, leaving loose fibrofatty tissue.

Sequence similarities Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.
Contains 7 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 protein kinase domain.

Cellular localization Membrane.

Images

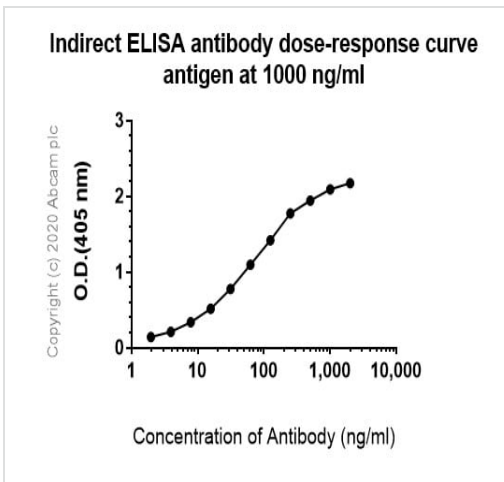


Flow Cytometry - Anti-VEGF Receptor 3 antibody [EPR22293-58] (ab243233)

Flow cytometric analysis of MCF7 (human breast adenocarcinoma cell line) (Left panel) and HEL (human bone marrow erythroleukemia cell line) (Right panel) cell lines labeling VEGF Receptor 3 with ab243233 at 1/500 (red) compared with Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**) (black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**), at 1/2000 dilution was used as the secondary antibody.

Gated on viable cells.





Negative control: MCF7 (PMID: 18538738).



Indirect ELISA - Anti-VEGF Receptor 3 antibody [EPR22293-58] (ab243233)

ELISA analysis of Human VEGF Receptor 3 recombinant protein at 1000 ng/mL with ab243233. An Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 dilution was used as the secondary antibody.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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