


Product datasheet

Anti-VEGF Receptor 3 antibody ab89501

[1 References](#) [3 Images](#)

Overview

Product name	Anti-VEGF Receptor 3 antibody
Description	Mouse monoclonal to VEGF Receptor 3
Host species	Mouse
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: Human Predicted to work with: Rhesus monkey 
Immunogen	Recombinant fragment: ITEESHVIDT GDSLSISCRG QHPLEWAWPG AQEAPATGDK DSED TG VVRD CEGTDARPYC KVL L LHEVHA NDTGSYVCYY KYIKARIEGT TAASSYVFVR, corresponding to amino acids 34-133 of Human VEGF Receptor 3 (NP_002011) with a proprietary tag. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	MES-SA/Dx5 cell lysate. Partial tagged recombinant Human VEGF Receptor 3 (Immunogen).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 1X PBS, pH 7.2
Purity	Protein A purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab89501** 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
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 146 kDa.
ELISA		Use at an assay dependent dilution. Detection limit for recombinant tagged VEGF Receptor 3 is approximately 0.3ng/ml when used as a capture antibody.

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

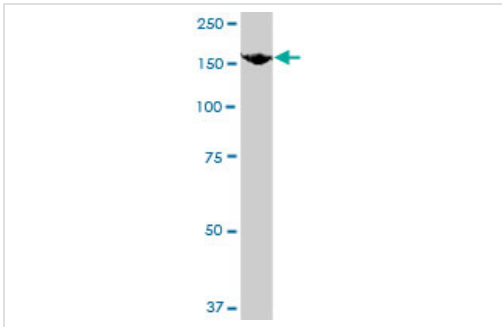


Anti-VEGF Receptor 3 antibody (ab89501) at 5 µg/ml + Partial tagged recombinant Human VEGF Receptor 3 protein at 0.2 µg

Predicted band size: 146 kDa

Observed band size: 37 kDa

Western blot against tagged recombinant protein immunogen. Predicted band size of immunogen is 37 kDa.

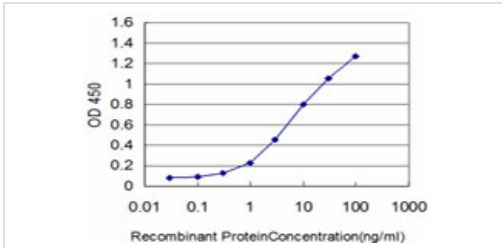


Western blot - VEGF Receptor 3 antibody (ab89501)

Anti-VEGF Receptor 3 antibody (ab89501) at 5 µg/ml + MES-SA/Dx5 cell lysate at 50 µg

Predicted band size: 146 kDa

Observed band size: 155 kDa



ELISA - VEGF Receptor 3 antibody (ab89501)

Detection limit for recombinant tagged VEGF Receptor 3 is approximately 0.3ng/ml as a capture antibody.

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