

**VEGFD Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM1101a**

**Specification**

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**VEGFD Antibody - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O43915</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>Mouse IgG1</b>

**VEGFD Antibody - Additional Information**

**Gene ID** 2277

**Other Names**

Vascular endothelial growth factor D, VEGF-D, c-Fos-induced growth factor, FIGF, FIGF, VEGFD

**Target/Specificity**

This monoclonal antibody is generated from mice immunized with three KLH conjugated synthetic peptides corresponding to N-terminal, central, and C-terminal sequences of human VEGF4.

**Dilution**

WB~~1:4000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

VEGFD Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**VEGFD Antibody - Protein Information**

**Name** VEGFD ([HGNC:3708](#))

**Synonyms** FIGF

**Function** Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults.

Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors.

#### Cellular Location

Secreted.

#### Tissue Location

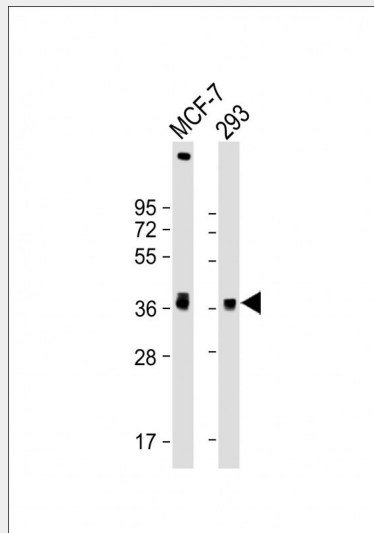
Highly expressed in lung, heart, small intestine and fetal lung, and at lower levels in skeletal muscle, colon, and pancreas

### VEGFD Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### VEGFD Antibody - Images



All lanes : Anti-VEGF4 Antibody at 1:4000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### VEGFD Antibody - Background

The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C.

## **VEGFD Antibody - References**

A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. Am J Obstet Gynecol, 2010 Jul 29. PMID 20673868.

Clinical significance of vascular endothelial growth factors C and D and chemokine receptor CCR7 in gastric cancer. Deguchi K, et al. Anticancer Res, 2010 Jun. PMID 20651394.

Identification of fetal and maternal single nucleotide polymorphisms in candidate genes that predispose to spontaneous preterm labor with intact membranes. Romero R, et al. Am J Obstet Gynecol, 2010 May. PMID 20452482.

New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.

Neuroblastoma progression correlates with downregulation of the lymphangiogenesis inhibitor sVEGFR-2. Becker J, et al. Clin Cancer Res, 2010 Mar 1. PMID 20179233.

### **VEGFD Antibody - Citations**

- [Identification of immunohistochemical prognostic markers for survival after resection of pulmonary metastases from colorectal carcinoma.](#)