

VEGFR1 (AB0826) mouse mAb

W0150

Key Features

Host Species

- Mouse

Reactivity

- Human

Applications

- WB, IF, ELISA

MW

- 151 kDa (calculated)
- 180 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IF, ELISA

Dilution

WB, 1:500-1:2000 | IF, 1:100-400 | ELISA, Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB0826

Immunogen A synthetic peptide corresponding to the amino acid region 200-300 of the human VEGFR1 protein.

Specificity This antibody detects endogenous levels of VEGFR1 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name VEGFR1

Protein Name VEGFR1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P17948	2321

Background

fms related tyrosine kinase 1 (FLT1) Homo sapiens This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-

W0150-V.2-EN

eclampsia.[provided by RefSeq, May 2009],