



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to FLT1

**Catalog Number:** MAB-606020387

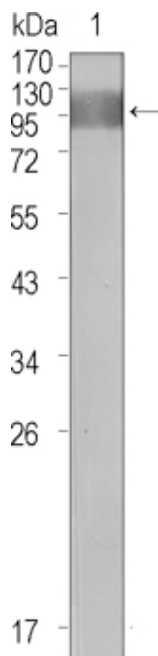


Figure 1: Western blot analysis using FLT1 mouse mAb against extracellular domain of human FLT1.

Lot#:  
Clone#: 3D10  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 100kDa  
Aliases: FLT; VEGFR1  
Entrez Gene: 2321  
Species reactivity: Human

**Description** Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor), also known as FLT1 or VEGFR-1. It is 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-eclampsia.

**Immunogen** Purified recombinant extracellular fragment of human FLT1 fused with hIgGFc tag expressed in HEK293 cells.

**Application** Western Blotting: 1/500 - 1/2000.  
ELISA: Propose dilution 1/10000.  
Not yet tested in other applications.  
Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

#### Related product

**References** 1. Mol Med. 2006 Jul-Aug;12(7-8):127-36.  
2. Oncogene. 1997 May 29;14(21):2553-61.

**For Research Use Only**

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