

Product datasheet for **AM06366SU-N**

VEGF Receptor 1 (FLT1) Mouse Monoclonal Antibody [Clone ID: 3D10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D10
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant extracellular fragment of human FLT1 fused with hlgGfc tag expressed in HEK293 cells.
Specificity:	This antibody reacts to FLT1.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	100 kDa
Gene Name:	fms related tyrosine kinase 1
Database Link:	Entrez Gene 2321 Human P17948



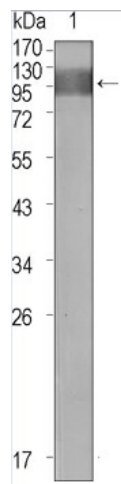
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Background:

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.

Synonyms:

VEGFR1, FLT1, FLT, FRT, VEGF Receptor 1

Product images:

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