

AM20682PU-N**Monoclonal Antibody to VEGFR-1 / Flt-1 - Purified**

Alternate names:	FLT, FLT1, FRT, Fms-like tyrosine kinase 1, Tyrosine-protein kinase FRT, Tyrosine-protein kinase receptor FLT, VEGF Receptor 1, VEGFR1, Vascular endothelial growth factor receptor 1, Vascular permeability factor receptor
Quantity:	0.1 mg
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Background:	VEGFR1, also known as FMS-related tyrosine kinase 1(FLT1). Oncogene FLT belongs to the src gene family and is related to oncogene ROS . Like other members of this family, it shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation. FLT is mapped to 13q12. VEGF receptor 1 signaling is essential for osteoclast development and bone marrow formation in colony-stimulating factor 1-deficient mice.
Uniprot ID:	P17948
NCBI:	NP_002010
GeneID:	2321
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	V12
Immunogen:	Recombinant human VEGF-1 receptor
Format:	State: Lyophilized purified Ig fraction Purification: Affinity chromatography Buffer System: 1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative Reconstitution: Restore with 1.2% sodium acetate or neutral PBS
Applications:	Western Blot: 1 - 2 µg/ml. Immunohistochemistry on frozen sections: 2 - 4 µg/ml. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to VEGFR-1. Species: Human. Other species not tested.
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Imbert A, Rosnet O, Marchetto S, Ollendorff V, Birnbaum D, Pébusque MJ. Characterization of a yeast artificial chromosome from human chromosome band 13q12 containing the FLT1 and FLT3 receptor-type tyrosine kinase genes. *Cytogenet Cell Genet.* 1994;67(3):175-7. PubMed PMID: 7914866.
2. Niida S, Kondo T, Hiratsuka S, Hayashi S, Amizuka N, Noda T, et al. VEGF receptor 1 signaling is essential for osteoclast development and bone marrow formation in colony-stimulating factor 1-deficient mice. *Proc Natl Acad Sci U S A.* 2005 Sep 27;102(39):14016-21. Epub 2005 Sep 19. PubMed PMID: 16172397.