

Mouse anti-Human VEGFR-1/Flt-1 Monoclonal Antibody | anti-VEGFR-1/Flt-1 antibody

Mouse Anti-Human VEGFR-1/Flt-1

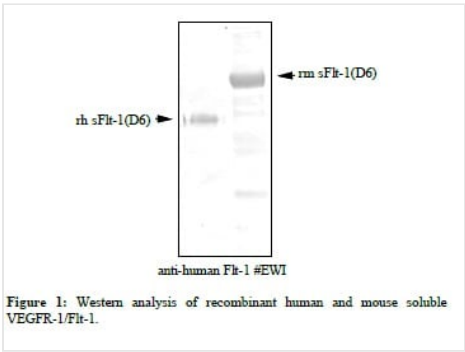
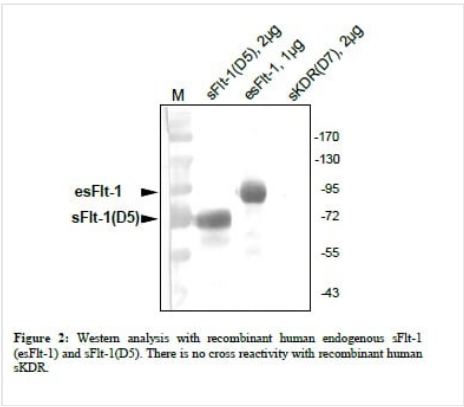
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA79097	Mouse	Human	Immunoprecipitation, Western Blot, ELISA

PRODUCT SYNONYMS

VEGFR-1/Flt-1; Monoclonal Antibody; Mouse Anti-Human VEGFR-1/Flt-1; Anti-human VEGFR-1/Flt-1-Biotin (#EWI); Fms-like tyrosine kinase 1; Vascular permeability factor receptor; anti-VEGFR-1/Flt-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	IgG1; EWI
Specificity	The unconjugated antibody will detect native human VEGFR-1/Flt-1 in ELISA experiments and on the surface of different human cell types.
Purity/Purification	Protein G purified
Form/Format	Lyophilized
Sequence Length	687
Applicable Applications for anti-VEGFR-1/Flt-1 antibody	IP (Immunoprecipitation), WB (Western Blot), ELISA
Immunogen	recombinant human soluble Flt-1 (D5) (RT# S01-011)
Conjugation	Biotin
Preparation	Monoclonal antibodies were produced with the help of BALB/c mice using recombinant human soluble extracellular Flt-1 (D5) as the immunizing antigen.
Buffer/Stabilizer	PBS; 50X BSA
Preservative	0,02% sodium azide
Preparation and Storage	The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 degree C. Frozen aliquots are stable for at least 6 months when stored at -20 degree C.



Application Data

Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-VEGFR-1/Flt-1 antibody	Endothelial cells express three different vascular endothelial growth factor (VEGF) receptors, belonging to the family of receptor tyrosine kinases (RTKs). They are named VEGFR-1 (Flt-1), VEGFR-2 (KDR/Flk-1), VEGFR-3 (Flt-4). Their expression is almost exclusively restricted to endothelial cells, but VEGFR-1 can also be found on monocytes, dendritic cells and on trophoblast cells. The flt-1 gene was first described in 1990. The receptor contains seven immunoglobulin-like extracellular domains, a single transmembrane region and an intracellular splitted tyrosine kinase domain. Compared to VEGFR-2 the Flt-1 receptor has a higher affinity for VEGF but a weaker signaling activity. VEGFR-1 thus leads not to proliferation of endothelial cells, but mediates signals for differentiation. Interestingly a naturally occuring soluble variant of VEGFR-1 (sVEGFR-1) was found in HUVE supernatants in 1996, which is generated by alternative splicing of the flt-1 mRNA.
References	1. Barleon et al., 1997, J Biol Chem 272:10382-8 2. Röckl et al., 1998, Exp Cell Res, 241: 161-170].

NCBI AND UNIPROT INFORMATION

NCBI GI #	229892220
NCBI GeneID	2321
NCBI Accession #	NP_001153392
NCBI GenBank Nucleotide #	NM_0001159920
UniProt Accession #	P17948; O60722; A3E342; A3E344; A8KA71; B0LPF1; B2BF46; B2BF47; B2BF48; B3FR89; B5A923; F5H5L6
Molecular Weight	150,769 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 1 isoform 2
NCBI Official Synonym Full Names	fms-related tyrosine kinase 1
NCBI Official Symbol	FLT1
NCBI Official Synonym Symbols	FLT; FLT-1; VEGFR1; VEGFR-1
NCBI Protein Information	vascular endothelial growth factor receptor 1; fms-like tyrosine kinase 1; tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor; fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
UniProt Protein Name	Vascular endothelial growth factor receptor 1
UniProt Gene Name	FLT1
UniProt Synonym Gene Names	FLT; FRT; VEGFR1; VEGFR-1; FLT-1; FLT
UniProt Entry Name	VGFR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vegfr-1-flt-1-antibody-clone-igg1-ewi-immunoprecipitation-western-blot-elisa/79097>