

36-1137: Monoclonal Antibody to VEGF-R1 / FLT-1(Clone : FLT1/659)(Discontinued)

Clonality :	Monoclonal
Clone Name :	FLT1/659
Application :	FACS,IF
Reactivity :	Human
Gene :	FLT1
Gene ID :	2321
Uniprot ID :	P17948
Format :	Purified
Alternative Name :	FLT1,FLT,FRT,VEGFR1
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	Recombinant human VEGF-R1 protein

Description

Three cell membrane receptor tyrosine kinases, Flt-1 (also designated VEGF-R1), Flk-1 (also designated VEGF-R2) and Flt-4, putatively involved in the growth of endothelial cells, are characterized by the presence of seven immunoglobulin-like sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. Two members of this receptor class, Flt-1 and Flk-1, have been shown to represent high affinity receptors for vascular endothelial growth factors (VEGFs). On the basis of structural similarity to Flt-1 and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flow Cytometry (0.5-1µg/million cells in 0.1ml); Immunofluorescence (1-2µg/ml); Functional Studies (Order Ab without BSA & Azide); Optimal dilution for a specific application should be determined.