Product name:	KDR Mouse Monoclonal Antibody
Cat number:	MABN80776
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	Mouse IgG1
Immunogen:	Purified recombinant extracellular fragment of human KDR (aa20-764) fused with hIgGFc tag expressed in HEK293 cells.
Reactivity:	Human
Applications:	ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight:	152kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Purified antibody in PBS with 0.05% sodium azide.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	KDR has also been designated as VEFR-2 (Vascular endothelial growth factor receptor 2), CD309 (cluster of differentiation 309) and Flk1 (fetal liver kinase 1). Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. KDR is one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.