Data Sheet (Cat.No.TMAC-02304)

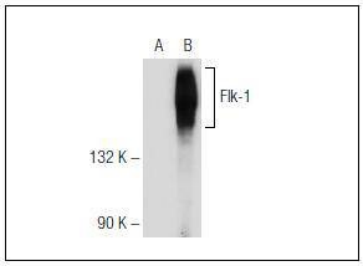
Anti-VEGFR2/KDR Antibody (6F458)

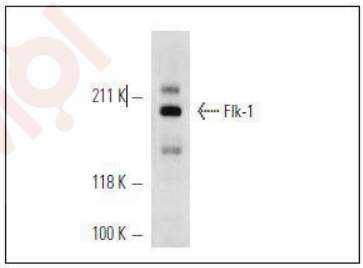
Product Details

Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 200 kDa.
Clone:	6F458
Purification:	ProA affinity purified

Applications

Verified Activity: 1. Western blot analysis of Flk-1 expression in non-transfected (A) and mouse Flk-1 transfected (B) 293T whole cell lysates.
2. Western blot analysis of Flk-1 expression in VEGF-treated HUV-EC-C whole cell lysate.





Application:	IF,IHC-P,IP,WB
Recommended	WB: 1:100-1000; IHC-P: 1:50-500; IP: 1-2 μg per 100-500 μg of total protein(1 ml of cell lysate)

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Amino acids 1158-1345 mapping at the C-terminus of the Flk-1 of mouse origin
Antigen Species:	mouse
Uniprot ID:	P35968
Synonyms:	KRD1;Ly73;CD309;VEGFR2;FLK1;VEGFR-21;KDR;VEGFR

Research Background

Three cell membrane receptor tyrosine kinases, Flt (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 immunoglobulinlike 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 and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

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