VEGFR2 / CD309 / Flk-1 / KDR3 (Hemangioblast Marker) Antibody

Mouse Monoclonal Antibody [Clone KDR721]

Catalog No	Format	Size
3791-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3791-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3791-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

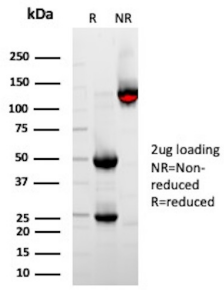
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

Clone	KDR721
Gene Name	KDR
Immunogen	Recombinant human VEGF-R2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	150-230kDa
Cellular Localization	Cell junction, Cell membrane, Cytoplasm, Cytoplasmic vesicle, Early endosome, Endoplasmic reticulum, Nucleus, Secreted
Species Reactivity	Human
Positive Control	HUVEC cells. Human lymph nodes and tonsils.

**Optimal dilution for a specific application should be determined.*

Product Images for VEGFR2 / CD309 / Flk-1 / KDR3 (Hemangioblast Marker) Antibody



SDS-PAGE Analysis of Purified VEGFR2 Mouse Monoclonal Antibody (KDR/721). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

CD309, also known as VEGFR2, KDR3, and Flk-1 (Mouse), is a type I transmembrane glycoprotein. It is a member of the CSF-1/PDGF receptor family of type III tyrosine kinase receptors. Human VEGFR2 is mainly expressed by endothelial cells, embryonic tissues, and megakaryocytes. It plays an important role in the regulation of angiogenesis, vasculogenesis, and vascular permeability. The ligands of VEGFR2 include VEGF-A, VEGF-C, VEGF-D, and VEGF splice isoforms. Ligation of VEGFR2 with its ligands results in the receptor dimerization and auto-phosphorylation, stimulating endothelial cell proliferation and migration.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Angiogenesis, BBB VCAM-1 Signaling, Cancer, Cardiovascular, Endothelial Cell Marker, Immuno Oncology, Infectious Disease, Signal Transduction, Stem Cell Differentiation

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.