9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-2638: Anti-VEGFR2 / CD309 / Flk-1 / KDR3 (Hemangioblast Marker) Monoclonal Antibody(Clone: KDR721)

Clonality :	Monoclonal
Clone Name :	KDR721
Application :	FACS,IF,Functional Assay
Reactivity :	Human
Gene :	KDR
Gene ID :	3791
Uniprot ID :	P35968
Alternative Name :	CD309; Fetal liver kinase 1 (FLK-1); KDR; Kinase insert domain receptor (a type III receptor tyrosine kinase); KRD1; Ly73; Protein tyrosine kinase receptor FLK1; Protein-tyrosine kinase receptor flk-1; Vascular endothelial growth factor receptor 2
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human VEGF-R2 protein

Description

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Functional Studies (Order Ab without BSA & Azide);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.