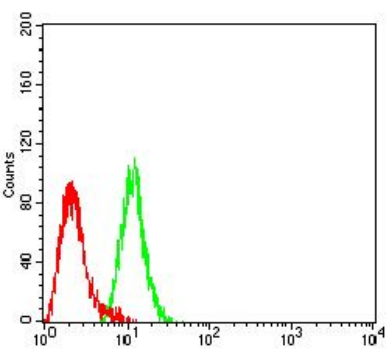
KDR monoclonal antibody, clone 1A9A3

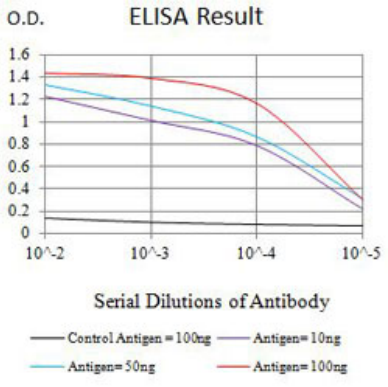
Catalog # MAB21485 Size 100 ug

Applications



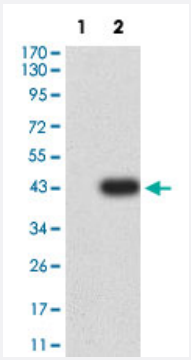
Flow Cytometry

Flow cytometric analysis of HeLa cells with KDR monoclonal antibody, clone 1A9A3 (Cat # MAB21485) (Green). Red: Negative Control.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with KDR monoclonal antibody, clone 1A9A3 (Cat # MAB21485).



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: KDR-hIgGFc transfected HEK293 cell lysates with KDR monoclonal antibody, clone 1A9A3 (Cat # MAB21485).

Specification

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Product Description	Mouse monoclonal antibody raised against partial recombinant human KDR.
Immunogen	Recombinant protein corresponding to amino acids 1225-1356 of human KDR.
Host	Mouse
Theoretical MW (kDa)	151.5
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Flow cytometric analysis of HeLa cells with KDR monoclonal antibody, clone 1A9A3 (Cat # MAB21485) (Green). Red: Negative Control.

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with KDR monoclonal antibody, clone 1A9A3 (Cat # MAB21485).

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 and Lane 2: KDR-hIgGFc transfected HEK293 cell lysates with KDR monoclonal antibody, clone 1A9A3 (Cat # MAB21485).

Gene Info — KDR

Entrez GeneID	3791
Protein Accession#	P35968

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Gene Name	KDR
Gene Alias	CD309, FLK1, VEGFR, VEGFR2
Gene Description	kinase insert domain receptor (a type III receptor tyrosine kinase)
Omim ID	191306 602089
Gene Ontology	Hyperlink
Gene Summary	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain rec eptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced end othelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nu cleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of thi s gene are implicated in infantile capillary hemangiomas. [provided by RefSeq
Other Designations	soluble VEGFR2|vascular endothelial growth factor receptor 2

Pathway

- Cytokine-cytokine receptor interaction
- Endocytosis
- Focal adhesion
- VEGF signaling pathway

Disease

- Adenocarcinoma
- Alzheimer disease
- Angina Pectoris
- Anoxia
- Asthma
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms

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- Carcinoma
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Colorectal Neoplasms
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Drug Toxicity
- Edema
- Esophageal Neoplasms
- Femur Head Necrosis
- Foot Dermatoses
- Genetic Predisposition to Disease
- Gilbert Disease
- Glioma
- Hot Flashes
- Hyperbilirubinemia
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Kidney Failure
- Kidney Neoplasms
- Leukemia
- Liver Neoplasms
- Lung Neoplasms

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- Lymphatic Metastasis
- Lymphedema
- Macular Degeneration
- Metabolic Syndrome X
- Mucocutaneous Lymph Node Syndrome
- Myocardial Infarction
- Neoplasm Invasiveness
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Osteonecrosis
- Osteoporosis
- Psychomotor Performance
- Recurrence
- Sarcoidosis
- Scleroderma
- Stroke
- Uterine Cervical Neoplasms

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