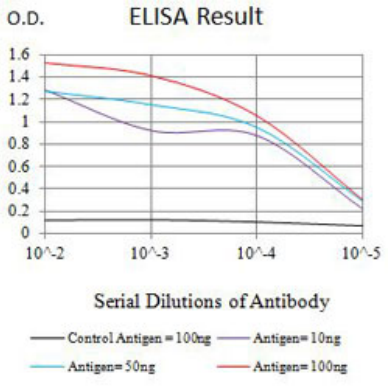
# KDR monoclonal antibody, clone 3C11A5

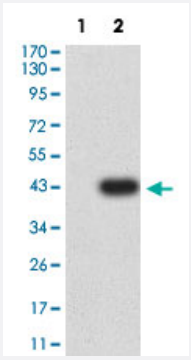
Catalog # MAB21486 Size 100 ug

## Applications




### Enzyme-linked Immunoabsorbent Assay

ELISA analysis with KDR monoclonal antibody, clone 3C11A5 (Cat # MAB21486).




### 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 3C11A5 (Cat # MAB21486).

## Specification

| | |
|---|---|
| **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 |

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| | |
|---|---|
| **Isotype** | IgG1 |
| **Recommend Usage** | ELISA (1:10000)<br>Western Blot (1:500-1:2000)<br>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.<br>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

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with KDR monoclonal antibody, clone 3C11A5 (Cat # MAB21486).

- 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 3C11A5 (Cat # MAB21486).

## Gene Info — KDR

| | |
|---|---|
| **Entrez GeneID** | 3791 |
| **Protein Accession#** | P35968 |
| **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 |

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| | |
|---|---|
| **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
- Carcinoma
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Colorectal Neoplasms
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Drug Toxicity

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- 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
- Lymphatic Metastasis
- Lymphedema
- Macular Degeneration
- Metabolic Syndrome X
- Mucocutaneous Lymph Node Syndrome
- Myocardial Infarction
- Neoplasm Invasiveness
- Neoplasm Recurrence

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- Neoplasms
- Neovascularization
- Osteonecrosis
- Osteoporosis
- Psychomotor Performance
- Recurrence
- Sarcoidosis
- Scleroderma
- Stroke
- Uterine Cervical Neoplasms

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