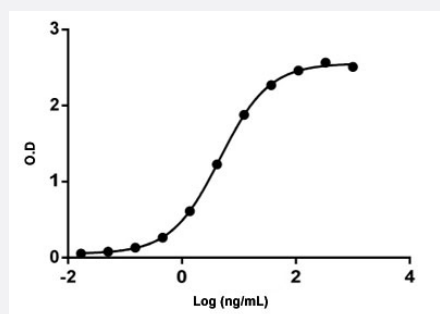


Anti-Bevacizumab monoclonal antibody, clone 4H1

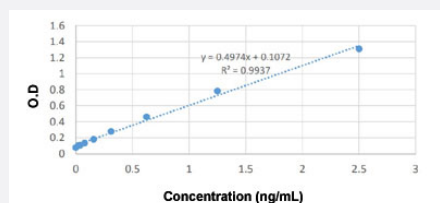
Catalog # MAB23087 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Bevacizumab monoclonal antibody, clone 4H1 (Cat # MAB23087) with Bevacizumab. Coating antigen: Bevacizumab, 1 ug/mL. Anti-Bevacizumab monoclonal antibody, clone 4H1 dilutions start from 1000 ng/mL. $EC_{50} = 4.660$ ng/mL. While the antibody does not recognize the human IgG (data not shown).



Sandwich ELISA

The Sandwich ELISA assay is developed by using Anti-Bevacizumab monoclonal antibody, clone 4H1 (Cat # MAB23087) and Anti-Bevacizumab monoclonal antibody, clone 6C3 (Cat # MAB23088) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Bevacizumab monoclonal antibody, clone 6C3 was labeled with Biotin. The sensitivity is less than 78 pg/mL.

Specification

Product Description	Mouse monoclonal antibody raised against Bevacizumab. Target gene is VEGFA.
Immunogen	Bevacizumab.
Host	Mouse
Specificity	The product is specific for Bevacizumab. The antibody is recommended as a capture antibody in a pharmacokinetic (PK) bridging assay with detection antibody : Anti-Bevacizumab monoclonal antibody, clone 6C3 (Cat # MAB23088).
Form	Lyophilized

Preparation Method	The antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Bevacizumab.
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	ELISA (0.01-0.1 ug/mL (Direct/Indirect)) Sandwich ELISA The optimal working dilution should be determined by the end user.
Inhibitory IC50	Non-inhibitory
Storage Buffer	Lyophilized from PBS, pH 7.4 (0.02% sodium azide).
Storage Instruction	Store at -20°C. The lyophilized product remains stable up to 1 year at -20°C from date of receipt. After reconstitution with deionized water (or equivalent) to a final concentration of 0.5 mg/mL, it can be stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

ELISA binding of Anti-Bevacizumab monoclonal antibody, clone 4H1 (Cat # MAB23087) with Bevacizumab. Coating antigen: Bevacizumab, 1 ug/mL. Anti-Bevacizumab monoclonal antibody, clone 4H1 dilutions start from 1000 ng/mL. EC₅₀ = 4.660 ng/mL. While the antibody does not recognize the human IgG (data not shown).

- Sandwich ELISA

The Sandwich ELISA assay is developed by using Anti-Bevacizumab monoclonal antibody, clone 4H1 (Cat # MAB23087) and Anti-Bevacizumab monoclonal antibody, clone 6C3 (Cat # MAB23088) as the capture and detection antibodies, respectively. In this ELISA assay, Anti-Bevacizumab monoclonal antibody, clone 6C3 was labeled with Biotin. The sensitivity is less than 78 pg/mL.

Gene Info — VEGFA

Entrez GeneID	7422
Gene Name	VEGFA
Gene Alias	MGC70609, VEGF, VEGF-A, VPF
Gene Description	vascular endothelial growth factor A

Omim ID [125853 192240](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene is a member of the PDGF/VEGF growth factor family and encodes a protein that is often found as a disulfide linked homodimer. This protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, and inhibiting apoptosis. Elevated levels of this protein is linked to POEMS syndrome, also known as Crow-Fukase syndrome. Mutations in this gene have been associated with proliferative and nonproliferative diabetic retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms. [provided by RefSeq]

Other Designations vascular endothelial growth factor isoform VEGF165|vascular permeability factor

Pathway

- [Bladder cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [mTOR signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)
- [VEGF signaling pathway](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Albuminuria](#)
- [Altitude Sickness](#)

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Angina Pectoris](#)
- [Anoxia](#)
- [Arthritis](#)
- [Ascites](#)
- [Asperger Syndrome](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autistic Disorder](#)
- [Basal Ganglia Diseases](#)
- [Behcet Syndrome](#)
- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Blindness](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchopulmonary Dysplasia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Abnormalities](#)
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- [Cerebral Amyloid Angiopathy](#)

- [Cerebrovascular Accident](#)
- [Chorioamnionitis](#)
- [Choroidal Neovascularization](#)
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- [Cognition Disorders](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
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- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
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- [Diabetic Angiopathies](#)
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- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [DiGeorge Syndrome](#)
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- [Ductus Arteriosus](#)
- [Duodenal Ulcer](#)
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- [Enterocolitis](#)
- [Esophageal Neoplasms](#)
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- [Familial Mediterranean fever](#)
- [Femur Head Necrosis](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Frontotemporal Dementia](#)
- [Gastritis](#)
- [Gastrointestinal Hemorrhage](#)
- [Genetic Predisposition to Disease](#)
- [Gilbert Disease](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Heart Defects](#)

- [Heart Failure](#)
- [Heart Septal Defects](#)
- [Heart Valve Diseases](#)
- [Helicobacter Infections](#)
- [HELLP Syndrome](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hodgkin Disease](#)
- [Hot Flashes](#)
- [Hyperbilirubinemia](#)
- [Hypercholesterolemia](#)
- [Hyperparathyroidism](#)
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- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Infection](#)
- [Infertility](#)
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- [Ischemia](#)
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- [Macular Degeneration](#)
- [Macular Edema](#)
- [Malignant melanoma](#)
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- [Migraine Disorders](#)
- [Mouth Neoplasms](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
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- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Narcolepsy](#)
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- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

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- [Peptic Ulcer](#)
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- [Polycystic kidney disease](#)
- [Polycystic Ovary Syndrome](#)
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- [Prediabetic State](#)
- [Pre-Eclampsia](#)
- [Pregnancy](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)

- [Prostatic Neoplasms](#)
- [Proteinuria](#)
- [Pseudoxanthoma Elasticum](#)
- [Psoriasis](#)
- [Pterygium](#)
- [Pulmonary Disease](#)
- [Pulmonary Edema](#)
- [Pulmonary Fibrosis](#)
- [Purpura](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Distress Syndrome](#)
- [Retinopathy of Prematurity](#)
- [Sarcoidosis](#)
- [Sarcoma](#)
- [Scleroderma](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Social Perception](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Stroke](#)
- [Sudden Infant Death](#)

- [Supranuclear Palsy](#)
- [Temporal Arteritis](#)
- [Tetralogy of Fallot](#)
- [Thrombosis](#)
- [Thyroid Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Urinary Tract Infections](#)
- [Urination Disorders](#)
- [Uterine Cervical Neoplasms](#)
- [Uterine Neoplasms](#)
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- [Ventricular Outflow Obstruction](#)
- [Vesico-Ureteral Reflux](#)
- [Vision](#)
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- [Werner syndrome](#)