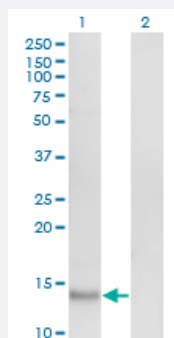


VEGF monoclonal antibody (M05), clone 3F7

Catalog # H00007422-M05

Size 100 ug

Applications

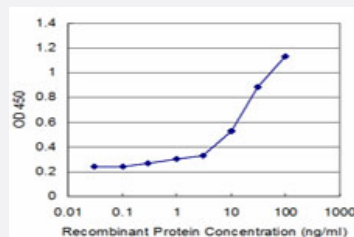


Western Blot (Transfected lysate)

Western Blot analysis of VEGF expression in transfected 293T cell line by VEGF monoclonal antibody (M05), clone 3F7.

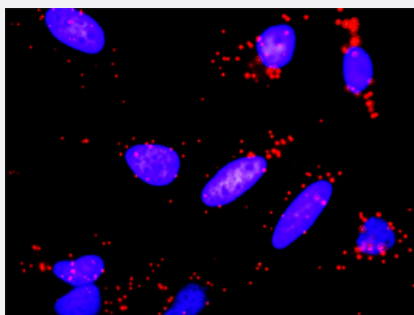
Lane 1: VEGF transfected lysate (17.2 KDa).

Lane 2: Non-transfected lysate.



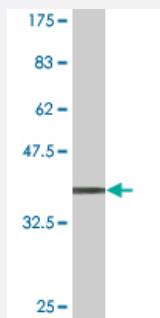
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged VEGF is approximately 0.3 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PGF and VEGFA. HeLa cells were stained with anti-PGF rabbit purified polyclonal 1:1200 and anti-VEGFA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (37.18 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant VEGF.
Immunogen	VEGF (NP_003367, 27 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	APMAEGGGQNHHEVVKFMDVYQRSYCHPIETLVDIFQEYPDEIEYFKPSCVPLMRCGGCCNDEG LECVPTTESNITMQIMRIKPHQGQHIGEMSFLQHNKCEC
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.18 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of VEGF expression in transfected 293T cell line by VEGF monoclonal antibody (M05), clone 3F7.

Lane 1: VEGF transfected lysate(17.2 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged VEGF is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PGF and VEGFA. HeLa cells were stained with anti-PGF rabbit purified polyclonal 1:1200 and anti-VEGFA mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — VEGFA

Entrez GeneID [7422](#)

GeneBank Accession# [NM_003376](#)

Protein Accession# [NP_003367](#)

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

Publication Reference

- [Hypoxia-Selective Growth Inhibition of Cancer Cells by Furospinosulin-1, a Furanosesterterpene Isolated from an Indonesian Marine Sponge.](#)

Arai M, Kawachi T, Setiawan A, Kobayashi M.

ChemMedChem 2010 Nov; 5(11):1919.

Application: WB-Ce, Human, DU145 cells

Pathway

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

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- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Albuminuria](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
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- [Anoxia](#)
- [Arthritis](#)

- [Ascites](#)
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- [Autistic Disorder](#)
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- [Prostatic Neoplasms](#)
- [Proteinuria](#)
- [Pseudoxanthoma Elasticum](#)
- [Psoriasis](#)

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