

Name: VEGFA mouse monoclonal antibody, clone OTI2B9 (formerly 2B9)**Catalog: TA802346****Product Data Sheet - TRUEMAB**

Components:	• VEGFA mouse monoclonal antibody, clone OTI2B9 (formerly 2B9) (TA802346)
Amount:	100ul
Immunogen:	Human recombinant protein fragment corresponding to amino acids 206-412 of human VEGFA (NP_001020537) produced in E.coli.
Host:	Mouse
Isotype:	IgG1
Species Reactivity:	Human
Guaranteed Applications:	WB
Suggested Dilutions:	WB 1:500,
Concentration:	1 mg/ml
Buffer:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Purification:	Purified from mouse ascites fluids by affinity chromatography
Storage Condition:	Shipped at -20C or with ice packs. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

Target

Target Name:	vascular endothelial growth factor A
Alternative Name:	MVCD1 VEGF VPF
Database Link:	NP_001020537 Entrez Gene 7422 Human
Function:	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

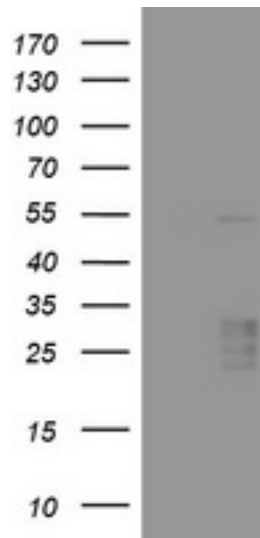
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retinopathy. Alternatively spliced transcript variants, encoding either freely secreted or cell-associated isoforms, have been characterized. There is also evidence for the use of non-AUG (CUG) translation initiation sites upstream of, and in-frame with the first AUG, leading to additional isoforms. [provided by RefSeq, Jul 2008].

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Validation Data



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY VEGFA (RC223789, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-VEGFA.

* More validation images may be available on our website: <http://www.origene.com/antibody/TA802346.aspx>

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