

Name: VEGFA (VEGF) mouse monoclonal antibody, clone OTI4E3 (formerly 4E3)

Catalog: TA500289

Product Data Sheet - TRUEMAB

Components:	• VEGFA (VEGF) mouse monoclonal antibody, clone OTI4E3 (formerly 4E3) (TA500289)
Amount:	100ul
Immunogen:	Human recombinant protein fragment corresponding to amino acids 27-233 of human VEGFA (NP_003367) produced in E.coli.
Host:	Mouse
Isotype:	IgG1
Species Reactivity:	Human
Guaranteed Applications:	WB, IHC, IF
Suggested Dilutions:	WB: 1:200 - 1:1000, IHC 1:50, IF 1:100,
Concentration:	0.5 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:	Homo sapiens vascular endothelial growth factor A (VEGFA), transcript variant 1
Alternative Name:	MVCD1; VEGF; VPF
Database Link:	NP_001020537 Entrez Gene 7422 Human
Function:	VEGF is a member of the PDGF/VEGF growth factor family that is often found as a disulfide linked homodimer. It 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 VEGF gene have been associated with proliferative and nonproliferative diabetic retinopathy.

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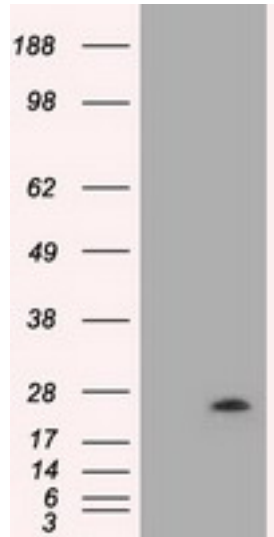
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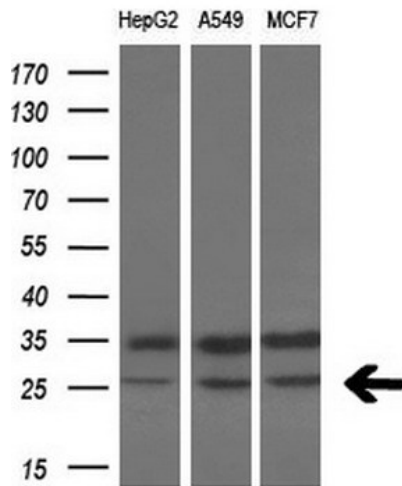
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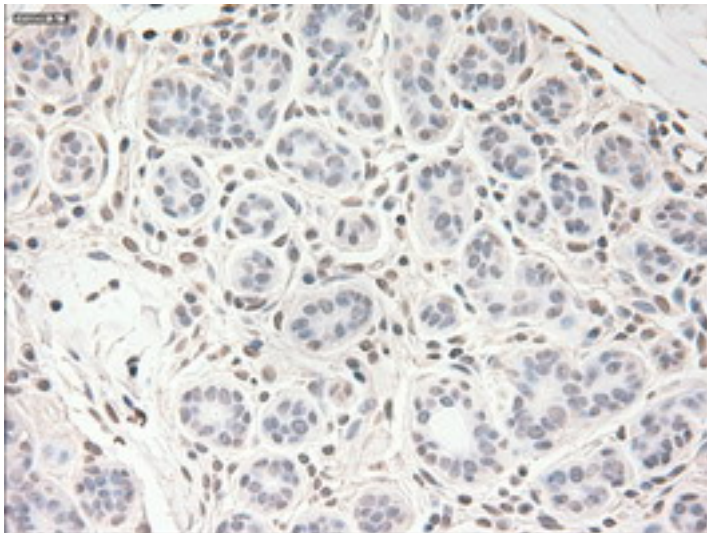
Validation Data



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY VEGF (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-VEGF.

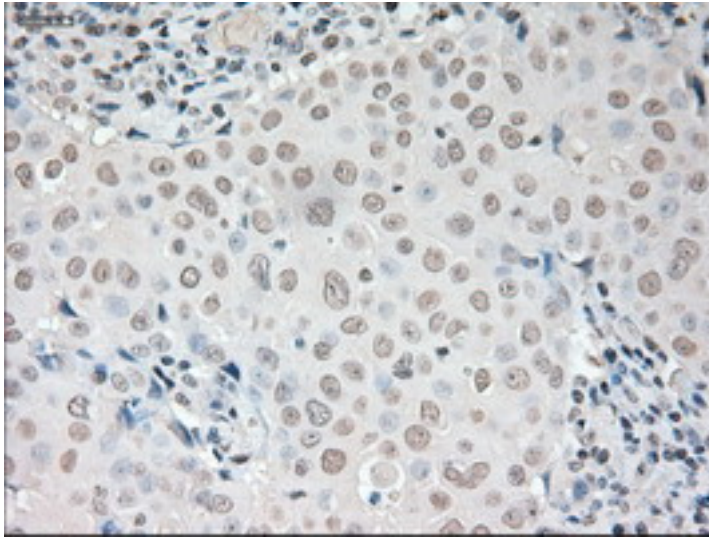


Western blot analysis of extracts (10ug) from 3 different cell lines by using anti-VEGF monoclonal antibody.(1:200)

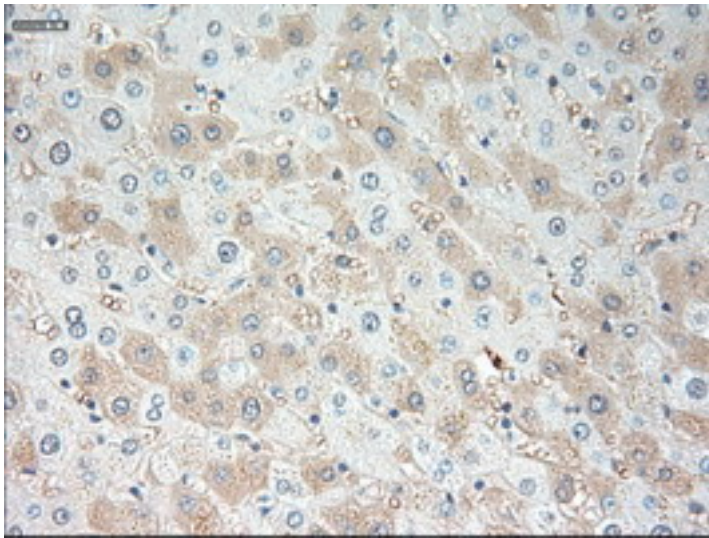


Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-VEGF mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min, TA500289)

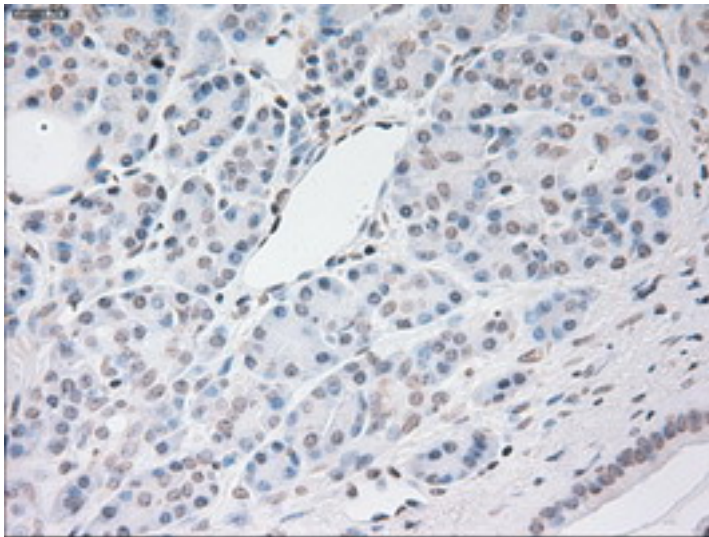
This product is to be used for laboratory only. Not for diagnostic or therapeutic use.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-VEGF mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min, TA500289)

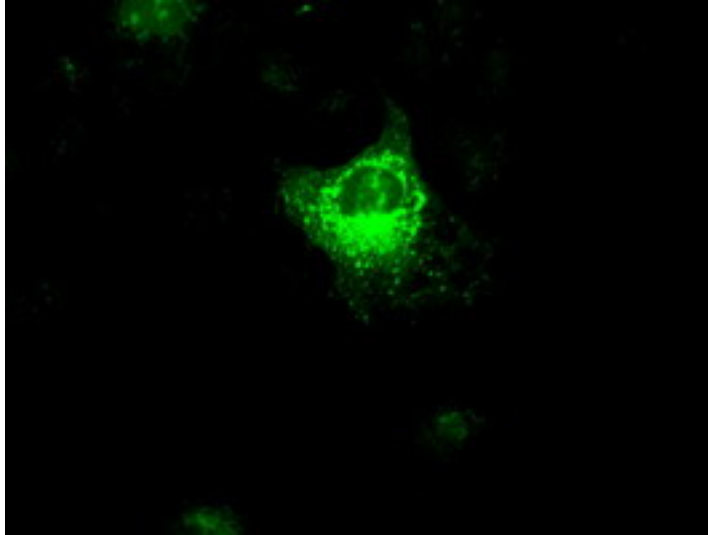


Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-VEGF mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min, TA500289)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-VEGF mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100C for 10min, TA500289)

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Anti-VEGF mouse monoclonal antibody (TA500289)
immunofluorescent staining of COS7 cells transiently
transfected by pCMV6-ENTRY VEGF(RC223789).

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