Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human VEGF121 mAb

Catalog No.: RM17839

Basic Information

Catalog No.
RM17839

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

Contact

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www.abclonal.com

Background

This gene is a member of the PDGF/VEGF growth factor family. It encodes a heparin-binding protein, which exists as a disulfide-linked homodimer. This growth factor induces proliferation and migration of vascular endothelial cells, and is essential for both physiological and pathological angiogenesis. Disruption of this gene in mice resulted in abnormal embryonic blood vessel formation. This gene is upregulated in many known tumors and its expression is correlated with tumor stage and progression. Elevated levels of this protein are found in patients with POEMS syndrome, also known as Crow-Fukase syndrome. Allelic variants of this gene have been associated with microvascular complications of diabetes 1 (MVCD1) and atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been described. There is also evidence for alternative translation initiation from upstream non-AUG (CUG) codons resulting in additional isoforms. A recent study showed that a C-terminally extended isoform is produced by use of an alte...

Immunogen Information

Immunogen
Recombinant Human VEGF121

Cross-Reactivity

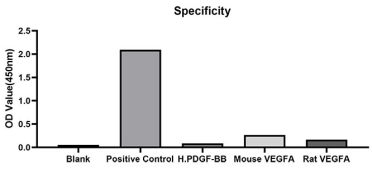
Has cross-reactivity in ELISA with
Mouse VEGFA,Rat VEGFA
;No cross-reactivity in ELISA assay with recombinant
H.PDGF-BB

Assay Applications

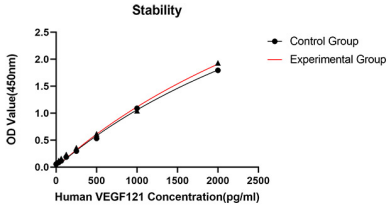
Human VEGF121 Sandwich ELISA

		Recommended Concentration	Sample
ELISA	Capture	0.5-4ug/mL	Rabbit anti-Human VEGF121 mAb(Cat. No.RM17839)
	Detection	0.0025-0.01ug/mL	Rabbit anti-Human VEGF121 mAb(Cat. No.RM17840)
	Standard	31.25-2000pg/mL	Recombinant Human VEGF121 Protein(Cat. No.RP01162)

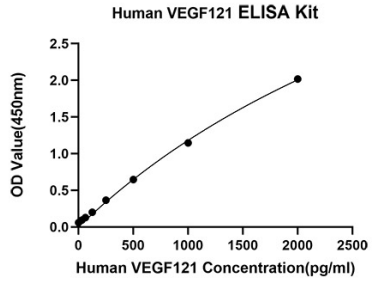
Validation Data



From the comparison of the standard curve, it is found that ABclonal has highsensitivity.



Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.



This standard curve is only for demonstration purposes. A standard curve should be generated for eachassay.