Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human VEGF165 mAb

Catalog No.: RM17781

Basic Information

Catalog No.
RM17781

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 0.2μm filtered solution in PBS with 0.05% Proclin300, 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 VEGF165 Protein

Cross-Reactivity

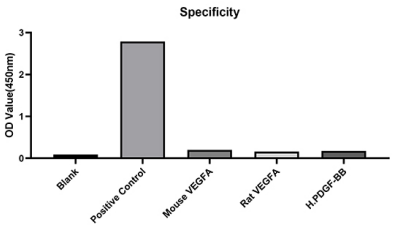
No significant cross-reactivity or interference between VEGF165 and analogues was observed.

Assay Applications

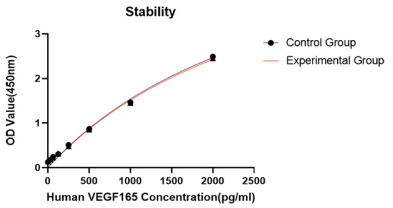
Human VEGF165 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2ug/mL	Rabbit anti-Human VEGF165 mAb(Cat. No.RM17780)
ELISA Detection	0.005-0.02ug/mL	Rabbit anti-Human VEGF165 mAb(Cat. No.RM17781)
Standard	31.2-2000pg/mL	Recombinant Human VEGF165 Protein(Cat. No.RP01150)

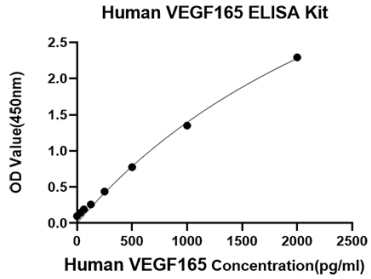
Validation Data



Fromthe 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.