

Rabbit anti-Human VEGF165 (DET)

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
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free.


Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2µm filtered solution in PBS with 0.1% BSA, pH 7.4 containing Human VEGF121 Antibody.

Contact

 | order@abclonal.com

 | support@abclonal.com

 | www.abclonal.com

Background

Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth. Binding to NRP1 receptor initiates a signaling pathway needed for motor neuron axon guidance and cell body migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development (By similarity).

Immunogen Information

Immunogen
Recombinant Human VEGF165 Protein

Cross-Reactivity

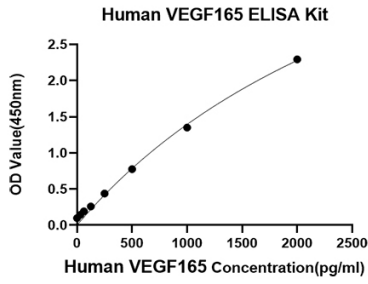
No significant cross-reactivity or interference between VEGF165 and analogues was observed.

Assay Applications

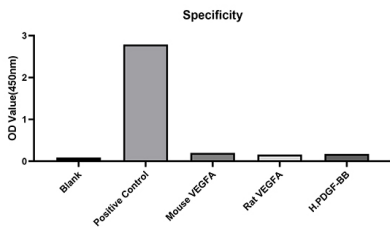
Human VEGF165 Sandwich ELISA Immunoassay

	Recommended Concentration	Sample
ELISA Capture	0.5-2µg/mL	Rabbit anti-Human VEGF165 (CAP)(Cat. No.RM17780)
ELISA Detection	0.005-0.02µg/mL	Rabbit anti-Human VEGF121 (DET)(Cat. No.RM17781)
Standard	31.2-2000pg/mL	Recombinant Human VEGF165 Protein

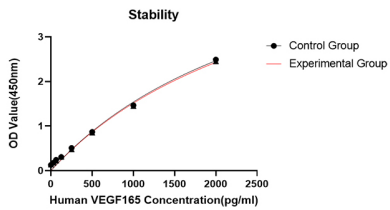
Validation Data



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



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



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