

Human VEGF165 ELISA Kit | VEGF165 elisa kit

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CATALOG #
AAA258418

REACTIVITY
Human

PRODUCT SYNONYMS

VEGF165; Human VEGF165 ELISA Kit; VEGF165 ELISA Kit; Human; vascular endothelial growth factor A; MVCD1 ELISA Kit; VEGF ELISA Kit; VPF ELISA Kit; VEGF165 elisa kit

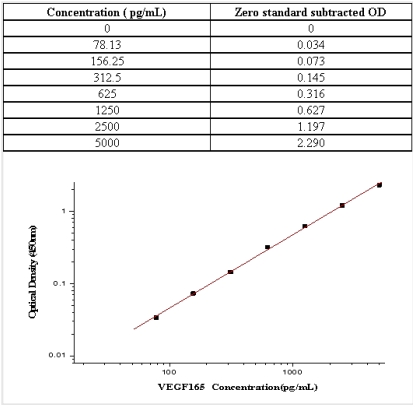
PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human VEGF165 concentration in serum, cell culture supernates and plasma.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum, Cell supernatant, Plasma
Detection Range	78.13-5000pg/mL
Sensitivity	41.06pg/mL
Conjugation	HRP
Interference	Preparations of the factors listed below at 50ng/mL in a mid-range recombinant human VEGF165 control were assayed for interference. No significant interference was observed. Interference was observed with recombinant human VEGFR1 and Mouse VEGFR1 at concentrations ≥ 0.5 ng/mL, and with recombinant Mouse VEGF164 at concentrations ≥ 5.0 ng/mL.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

Recombinant human			
PIGF	VEGFB	VEGFC	VEGFD
VEGFR1	VEGFR2	VEGFR3	
Recombinant mouse			
PGF	VEGFR1	VEGFR2	VEGFR3
Recombinant rat			
VEGF164			

Application Data

This assay recognizes both recombinant and natural Human VEGF165. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.



Standard Curve (Sample)

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

ADDITIONAL INFORMATION

Related Product Information for VEGF165 elisa kit

This VEGF165 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human VEGFA protein in Serum, Cell supernatant, Plasma. It contains recombinant Human VEGFA, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use.

Background: Vascular endothelial growth factor (VEGF), also known as vascular permeability factor (VPF) and VEGF-A, is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adult. It is a member of the platelet-derived growth factor (PDGF)/vascular endothelial growth factor (VEGF) family and often exists as a disulfide-linked homodimer. VEGF-A 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, inhibiting apoptosis and tumor growth. VEGF-A protein is also a vasodilator that increases microvascular permeability, thus it was originally referred to as vascular permeability factor.

References

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Hamdollah Zadeh MA, et al. (2008) VEGF-mediated elevated intracellular calcium and angiogenesis in human microvascular endothelial cells in vitro are inhibited by dominant negative TRPC6. Microcirculation. 15(7): 605-14.

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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.