Human VEGF165 Antibody Pair SetSet

Catalog No. E-KAB-0068 **Applications** ELISA
Synonyms VEGF165

Kit components & Storage

Title	Specifications	Storage
Human VEGF165 Capture Antibody	1 vial, 100 μ g	Store at -20℃. Avoid freeze/thaw cycles.
Human VEGF165 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃. Avoid freeze/thaw cycles.

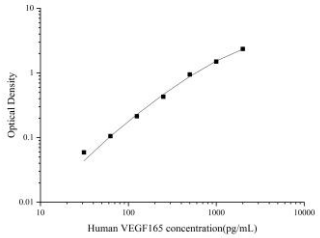
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0068)	
		Human VEGF165 Capture Antibody	Human VEGF165 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human VEGF165 protein	Recombinant Human VEGF165 protein
	Swissprot	P15692	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human VEGF165 in ELISAs.	

Applications

Human VEGF165 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human VEGF165 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human VEGF165 Detection Antibody (Biotin)	

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

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.