

Rat VEGFR-2 Antibody Pair SetSet

Catalog No.	E-KAB-0391	Applications	ELISA
Synonyms	VEGFR2, CD309, FLK1		

Kit components & Storage

Title	Specifications	Storage
Rat VEGFR-2 Capture Antibody	1 vial, 100 µg	Store at -20°C. Avoid freeze/thaw cycles.
Rat VEGFR-2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C. Avoid freeze/thaw cycles.

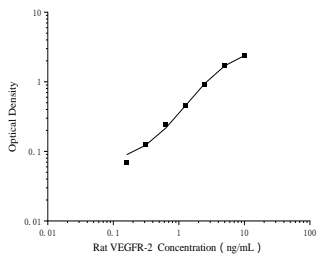
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0391)	
		Rat VEGFR-2 Capture Antibody	Rat VEGFR-2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat VEGFR-2 protein	Recombinant Rat VEGFR-2 protein
	Swissprot	O08775	
Product details	Reactivity	Rat	Rat
	Host	Rabbit	Rabbit
	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	Protein A & Antigen Affinity
	Specificity	Detects Rat VEGFR-2 in ELISAs.	

Applications

Rat VEGFR-2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Rat VEGFR-2 Capture Antibody	
ELISA Detection	1:1000-1:10000	Rat VEGFR-2 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) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.