

Mouse VEGFR-2/KDR Antibody Pair Set

Catalog No.	E-KAB-0337	Applications	ELISA
Synonyms	VEGFR2, CD309, FLK1		

Kit components & Storage

Title	Specifications	Storage
Mouse VEGFR-2/KDR Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Mouse VEGFR-2/KDR Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

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

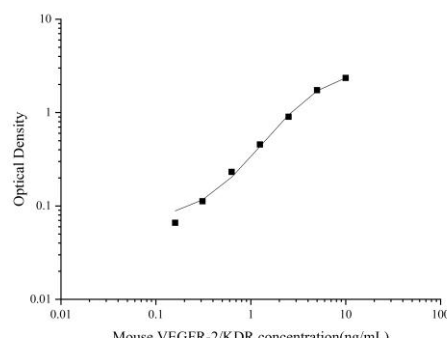
Product Information

Items		Characteristic (E-KAB-0337)	
		Mouse VEGFR-2/KDR Capture Antibody	Mouse VEGFR-2/KDR Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse VEGFR-2/KDR protein	Recombinant Mouse VEGFR-2/KDR protein
	Swissprot	P35918	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse VEGFR-2/KDR in ELISAs.	

For Research Use Only

Applications

Mouse VEGFR-2/KDR Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Mouse VEGFR-2/KDR Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse VEGFR-2/KDR concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.08</td></tr><tr><td>0.2</td><td>0.12</td></tr><tr><td>0.5</td><td>0.25</td></tr><tr><td>1.0</td><td>0.50</td></tr><tr><td>2.0</td><td>1.00</td></tr><tr><td>5.0</td><td>2.50</td></tr><tr><td>10.0</td><td>5.00</td></tr></tbody></table>	Mouse VEGFR-2/KDR concentration (ng/mL)	Optical Density	0.1	0.08	0.2	0.12	0.5	0.25	1.0	0.50	2.0	1.00	5.0	2.50	10.0	5.00
Mouse VEGFR-2/KDR concentration (ng/mL)	Optical Density																		
0.1	0.08																		
0.2	0.12																		
0.5	0.25																		
1.0	0.50																		
2.0	1.00																		
5.0	2.50																		
10.0	5.00																		
ELISA Detection	1:1000-1:10000	Mouse VEGFR-2/KDR 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.

For Research Use Only