

Human VEGF-D Antibody Pair Set

Catalog No.	E-KAB-0227	Applications	ELISA
Synonyms	FIGF, VEGF-D, VEGFD, C-fos induced growth factor		

Kit components & Storage

Title	Specifications	Storage
Human VEGF-D Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human VEGF-D Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

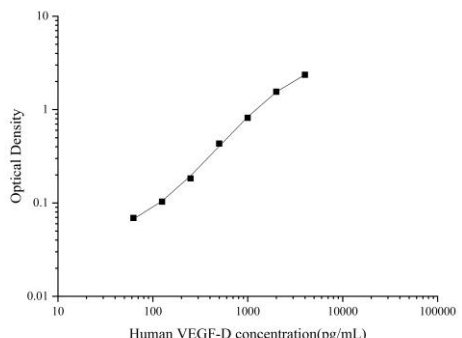
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0227)	
		Human VEGF-D Capture Antibody	Human VEGF-D Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human VEGF-D protein	Recombinant Human VEGF-D protein
	Swissprot	O43915	
Product details	Reactivity	Human	Human
	Host	Goat	Rabbit
	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	Protein A & Antigen Affinity
	Specificity	Detects Human VEGF-D in ELISAs.	

Applications

Human VEGF-D Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human VEGF-D Capture Antibody	 <p>The graph displays a standard curve for the Human VEGF-D Sandwich ELISA Assay. The x-axis represents Human VEGF-D concentration in pg/mL on a logarithmic scale from 10 to 100,000. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human VEGF-D increases, the optical density also increases.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human VEGF-D concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.05</td> </tr> <tr> <td>200</td> <td>0.1</td> </tr> <tr> <td>500</td> <td>0.3</td> </tr> <tr> <td>1000</td> <td>0.6</td> </tr> <tr> <td>2000</td> <td>1.2</td> </tr> <tr> <td>5000</td> <td>2.5</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table>	Human VEGF-D concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.3	1000	0.6	2000	1.2	5000	2.5	10000	5.0
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ELISA Detection	1:1000-1:10000	Human VEGF-D Detection Antibody (Biotin)																	

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

Background

The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth.

This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C. Read-through transcription has been observed between this locus and the upstream PIR (GeneID 8544) locus.