

Human VEGF-C Antibody Pair Set

Catalog No.	E-KAB-0521	Applications	ELISA
Synonyms	VEGFC;Flt4-L;VRP		

Kit components & Storage

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

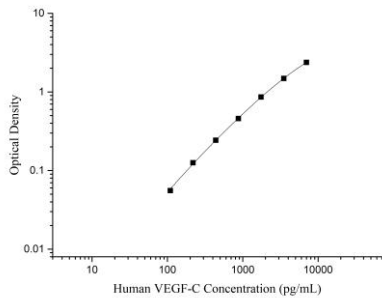
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0521)	
		Human VEGF-C Capture Antibody	Human VEGF-C Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human VEGF-C protien	Recombinant Human VEGF-C protien
	Swissprot	P49767	
Product details	Reactivity	Human	Human
	Host	Rabbit	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human VEGF-C in ELISAs.	

Applications

Human VEGF-C Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human VEGF-C Capture Antibody	 <p>The graph displays a standard curve for the Human VEGF-C Sandwich ELISA Assay. The x-axis represents Human VEGF-C Concentration in pg/mL on a logarithmic scale from 10 to 10,000. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The data points form a straight line, indicating a linear relationship between the concentration of the protein and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human VEGF-C 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>0.2</td> </tr> <tr> <td>1000</td> <td>0.4</td> </tr> <tr> <td>2000</td> <td>0.8</td> </tr> <tr> <td>5000</td> <td>1.5</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Human VEGF-C Concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.2	1000	0.4	2000	0.8	5000	1.5	10000	3.0
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ELISA Detection	1:1000-1:10000	Human VEGF-C 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. The encoded protein promotes angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. The proprotein is further cleaved into a fully processed form that can bind and activate VEGFR-2 and VEGFR-3 receptors.