

## Mouse VEGF-D Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0573	<b>Applications</b>	ELISA
<b>Synonyms</b>	FIGF;VEGF-D;VEGFD;C-fos induced growth factor		

### Kit components & Storage

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

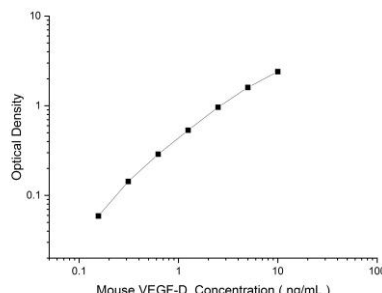
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0573)	
		Mouse VEGF-D Capture Antibody	Mouse VEGF-D Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse VEGF-D protien	Recombinant Mouse VEGF-D protien
	Swissprot	P97946	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	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 Mouse VEGF-D in ELISAs.		

## Applications

Mouse VEGF-D Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4 µg/mL	Mouse VEGF-D Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Mouse VEGF-D Concentration ( ng/mL )' and ranges from 0.1 to 100. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. The data points form a smooth, upward-sloping curve, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse VEGF-D Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>0.1</td><td>0.05</td></tr> <tr><td>0.2</td><td>0.1</td></tr> <tr><td>0.5</td><td>0.2</td></tr> <tr><td>1</td><td>0.4</td></tr> <tr><td>2</td><td>0.7</td></tr> <tr><td>5</td><td>1.2</td></tr> <tr><td>10</td><td>1.8</td></tr> <tr><td>20</td><td>2.5</td></tr> <tr><td>50</td><td>4.0</td></tr> </tbody> </table>	Mouse VEGF-D Concentration (ng/mL)	Optical Density	0.1	0.05	0.2	0.1	0.5	0.2	1	0.4	2	0.7	5	1.2	10	1.8	20	2.5	50	4.0
Mouse VEGF-D Concentration (ng/mL)	Optical Density																						
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ELISA Detection	1:1000-1:10000	Mouse VEGF-D Detection Antibody (Biotin)																					

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

## Background

Growth factor active in angiogenesis , lymphangiogenesis and endothelial cell growth , stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis , and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-3 (Flt4) receptor.