

Human NRP2 Antibody Pair Set

Catalog No. E-KAB-0187

Applications

ELISA

Synonyms NRP2

Kit components & Storage

Title	Specifications	Storage
Human NRP2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human NRP2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

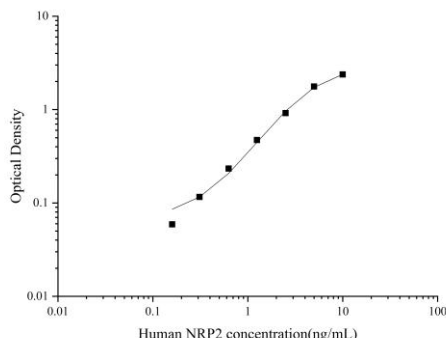
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0187)	
		Human NRP2 Capture Antibody	Human NRP2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human NRP2 protein	Recombinant Human NRP2 protein
	Swissprot	O60462	
Product details	Reactivity	Human	Human
	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 Human NRP2 in ELISAs.	

Applications

Human NRP2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human NRP2 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human NRP2 concentration (ng/mL). The x-axis ranges from 0.01 to 100 ng/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human NRP2 increases, the optical density also increases. The curve is approximately linear on this log-log scale, suggesting a power-law relationship between the two variables.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human NRP2 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>0.8</td> </tr> <tr> <td>5</td> <td>1.5</td> </tr> <tr> <td>10</td> <td>2.5</td> </tr> </tbody> </table>	Human NRP2 concentration (ng/mL)	Optical Density	0.1	0.05	0.2	0.1	0.5	0.2	1	0.4	2	0.8	5	1.5	10	2.5
Human NRP2 concentration (ng/mL)	Optical Density																		
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ELISA Detection	1:1000-1:10000	Human NRP2 Detection Antibody (Biotin)																	

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

Background

This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene.