

## Human Cyr61 Antibody Pair Set

Catalog No. E-KAB-0457

Applications

ELISA

Synonyms CCN1;GIG1;IGFBP10

### Kit components & Storage

Title	Specifications	Storage
Human Cyr61 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human Cyr61 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

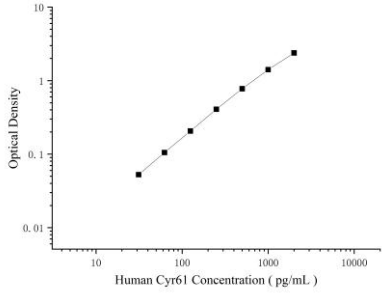
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0457)	
		Human Cyr61 Capture Antibody	Human Cyr61 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human Cyr61 protien	Recombinant Human Cyr61 protien
	Swissprot		
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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	Protein A or G	Protein A or G
	Specificity	Detects Human Cyr61 in ELISAs.	

## Applications

Human Cyr61 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 µg/mL	Human Cyr61 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human Cyr61 Concentration (pg/mL). The x-axis ranges from 10 to 10000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points form a straight line, indicating a linear relationship between the concentration of Human Cyr61 and the optical density measured in the assay.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human Cyr61 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>10000</td> <td>3.2</td> </tr> </tbody> </table>	Human Cyr61 Concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.2
Human Cyr61 Concentration (pg/mL)	Optical Density												
10	0.05												
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1000	0.8												
10000	3.2												
ELISA Detection	1:1000-1:10000	Human Cyr61 Detection Antibody (Biotin)											

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

## Background

The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and extracellular matrix formation.