

## Human ANG2 Antibody Pair Set

Catalog No. E-KAB-0205

Applications

ELISA

Synonyms ANGPT2, AGPT2

### Kit components & Storage

Title	Specifications	Storage
Human ANG2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human ANG2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

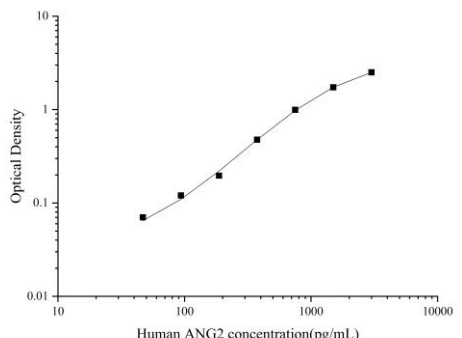
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0205)	
		Human ANG2 Capture Antibody	Human ANG2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ANG2 protein	Recombinant Human ANG2 protein
	Swissprot	O15123	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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	Protein A or G	Protein A or G
	Specificity	Detects Human ANG2 in ELISAs.	

## Applications

### Human ANG2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human ANG2 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human ANG2 concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Human ANG2 concentration) ranges from 10 to 10000. 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>Human ANG2 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.1</td> </tr> <tr> <td>200</td> <td>0.2</td> </tr> <tr> <td>500</td> <td>0.5</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>2000</td> <td>2.0</td> </tr> <tr> <td>5000</td> <td>5.0</td> </tr> </tbody> </table>	Human ANG2 concentration (pg/mL)	Optical Density	50	0.05	100	0.1	200	0.2	500	0.5	1000	1.0	2000	2.0	5000	5.0
Human ANG2 concentration (pg/mL)	Optical Density																		
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ELISA Detection	1:1000-1:10000	Human ANG2 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 an antagonist of angiotensin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene.