

## Human P-Cadherin Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0435	<b>Applications</b>	ELISA
<b>Synonyms</b>	CDH3;CDHP;Cadherin 3;HJMD;PCAD;type 1		

### Kit components & Storage

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

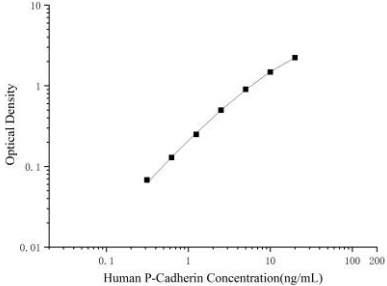
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0435)	
		Human P-Cadherin Capture Antibody	Human P-Cadherin Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human P-Cadherin protien	Recombinant Human P-Cadherin protien
	Swissprot	P22223	
Product details	Reactivity	Human	Human
	Host	Mouse	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	Protein A or G	Antigen Affinity
	Specificity	Detects Human P-Cadherin in ELISAs.	

## Applications

Human P-Cadherin Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4 µg/mL	Human P-Cadherin Capture Antibody	 <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human P-Cadherin 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>3.0</td></tr> <tr><td>20</td><td>6.0</td></tr> <tr><td>50</td><td>12.0</td></tr> </tbody> </table>	Human P-Cadherin 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	3.0	20	6.0	50	12.0
Human P-Cadherin 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	3.0																						
20	6.0																						
50	12.0																						
ELISA Detection	1:1000-1:10000	Human P-Cadherin Detection Antibody (Biotin)																					

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

## Background

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells, cadherins may thus contribute to the sorting of heterogeneous cell types.