

Human PCT Antibody Pair SetSet

Catalog No. E-KAB-0135

Applications

ELISA

Synonyms PCT

Kit components & Storage

Title	Specifications	Storage
Human PCT Capture Antibody	1 vial, 100 µg	Store at -20℃. Avoid freeze/thaw cycles.
Human PCT Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃. Avoid freeze/thaw cycles.

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

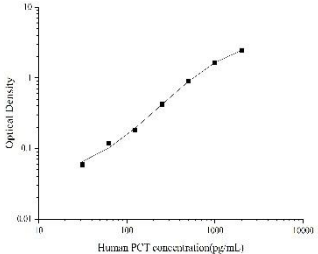
Product Information

Items		Characteristic (E-KAB-0135)	
		Human PCT Capture Antibody	Human PCT Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human PCT protein	Recombinant Human PCT protein
	Swissprot	P01258	
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 7.4	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 PCT in ELISAs.	

For Research Use Only

Applications

Human PCT Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4 µg/mL	Human PCT Capture Antibody	 The graph shows a standard curve for the Human PCT Sandwich ELISA Assay. The x-axis represents Human PCT concentration in pg/mL on a logarithmic scale from 10 to 10000. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The curve is sigmoidal, indicating a high degree of specificity and sensitivity for the assay. <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human PCT 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><tr><td>10000</td><td>10.0</td></tr></tbody></table>	Human PCT 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	10000	10.0
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10000	10.0																				
ELISA Detection	1:1000-1:10000	Human PCT Detection Antibody (Biotin)																			

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

Background

Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones.

Katacalcin is a potent plasma calcium-lowering peptide.

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