

Human HCG Antibody Pair Set

Catalog No. E-KAB-0127

Applications

ELISA

Synonyms hCG

Kit components & Storage

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

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

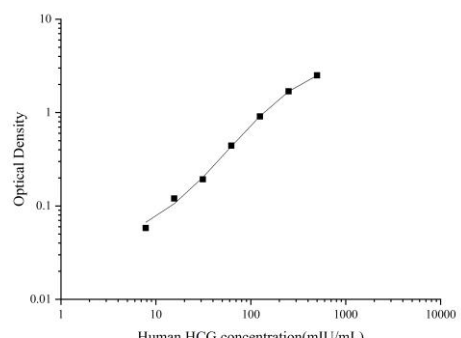
Product Information

Items		Characteristic (E-KAB-0127)	
		Human HCG Capture Antibody	Human HCG Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	P01215(CGA)P0DN86(CGβ)	
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	Protein A
	Specificity	Detects Human HCG in ELISAs.	

For Research Use Only

Applications

Human HCG Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Human HCG Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human HCG concentration (mIU/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.05</td></tr><tr><td>20</td><td>0.1</td></tr><tr><td>50</td><td>0.2</td></tr><tr><td>100</td><td>0.4</td></tr><tr><td>200</td><td>0.8</td></tr><tr><td>500</td><td>1.5</td></tr><tr><td>1000</td><td>2.5</td></tr></tbody></table>	Human HCG concentration (mIU/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.5	1000	2.5
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ELISA Detection	1:1000-1:10000	Human HCG Detection Antibody (Biotin)																	

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

Background

Shared alpha chain of the active heterodimeric glycoprotein hormones thyrotropin/thyroid stimulating hormone/TSH, lutropin/luteinizing hormone/LH, follitropin/follicle stimulating hormone/FSH and choriogonadotropin/CG. These hormones bind specific receptors on target cells that in turn activate downstream signaling pathways.