

Human CA125 Antibody Pair Set

Catalog No. E-KAB-0139
Synonyms MUC16, Mucin 16

Applications ELISA

Kit components & Storage

Title	Specifications	Storage
Human CA125 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human CA125 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.

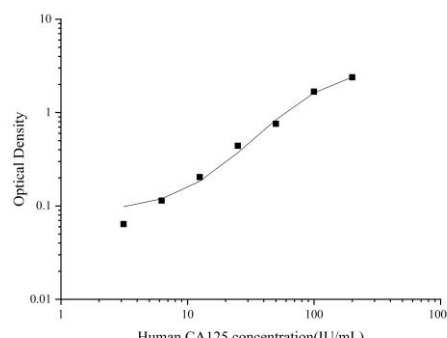
Product Information

Items		Characteristic (E-KAB-0139)	
		Human CA125 Capture Antibody	Human CA125 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	Q8WXI7	
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 CA125 in ELISAs.	

For Research Use Only

Applications

Human CA125 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4μg/mL	Human CA125 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human CA125 concentration (IU/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>1</td><td>0.05</td></tr><tr><td>10</td><td>0.2</td></tr><tr><td>100</td><td>1.5</td></tr><tr><td>1000</td><td>10</td></tr></tbody></table>	Human CA125 concentration (IU/mL)	Optical Density	1	0.05	10	0.2	100	1.5	1000	10
Human CA125 concentration (IU/mL)	Optical Density												
1	0.05												
10	0.2												
100	1.5												
1000	10												
ELISA Detection	1:1000-1:10000	Human CA125 Detection Antibody (Biotin)											

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

Background

MUC16, also named as CA125, is thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. It is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. Most biochemical studies have concluded that MUC16 is a high molecular mass glycoprotein, although estimates of its size range from 200 to 2000 kDa with smaller “subunits” being described by some investigators. The antibody recognizes the C-term of MUC16.

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