

## Human CALP Antibody Pair Set

**Catalog No.** E-KAB-0247

**Applications**

ELISA

**Synonyms** CALP

### Kit components & Storage

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

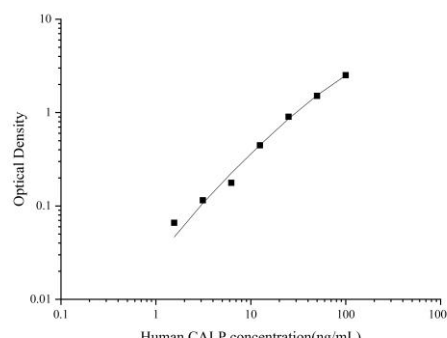
### Product Information

Items		Characteristic (E-KAB-0247)	
		Human CALP Capture Antibody	Human CALP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CALP protein	Recombinant Human CALP protein
	Swissprot	P05109(S100A8)&P06702(S100A9)	
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 CALP in ELISAs.	

### For Research Use Only

## Applications

### Human CALP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Human CALP Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human CALP concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>1</td><td>0.05</td></tr><tr><td>2</td><td>0.1</td></tr><tr><td>5</td><td>0.2</td></tr><tr><td>10</td><td>0.4</td></tr><tr><td>20</td><td>0.8</td></tr><tr><td>50</td><td>1.5</td></tr><tr><td>100</td><td>3.0</td></tr></tbody></table>	Human CALP concentration (ng/mL)	Optical Density	1	0.05	2	0.1	5	0.2	10	0.4	20	0.8	50	1.5	100	3.0
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ELISA Detection	1:1000-1:10000	Human CALP 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 a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in the inhibition of casein kinase and as a cytokine. Altered expression of this protein is associated with the disease cystic fibrosis. Multiple transcript variants encoding different isoforms have been found for this gene.

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