

## Mouse CTSB Antibody Pair Set

**Catalog No.** E-KAB-0587

**Applications**

ELISA

**Synonyms** APPS;CPSB

### Kit components & Storage

Title	Specifications	Storage
Mouse CTSB Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Mouse CTSB 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.

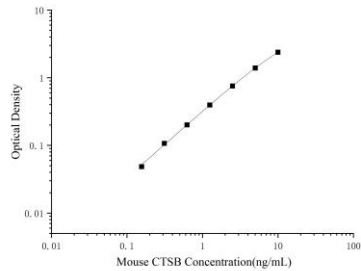
### Product Information

Items		Characteristic (E-KAB-0587)	
		Mouse CTSB Capture Antibody	Mouse CTSB Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CTSB protien	Recombinant Mouse CTSB protien
	Swissprot	P10605	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse CTSB in ELISAs.	

### For Research Use Only

## Applications

### Mouse CTSB Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Mouse CTSB Capture Antibody	 <p>The graph displays a standard curve for the Mouse CTSB Sandwich ELISA Assay. The x-axis represents Mouse CTSB Concentration in ng/mL on a logarithmic scale from 0.01 to 100. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The data points form a straight line, indicating a linear relationship between the concentration of Mouse CTSB and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse CTSB 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>1.6</td> </tr> <tr> <td>10</td> <td>3.2</td> </tr> </tbody> </table>	Mouse CTSB Concentration (ng/mL)	Optical Density	0.1	0.05	0.2	0.1	0.5	0.2	1	0.4	2	0.8	5	1.6	10	3.2
Mouse CTSB Concentration (ng/mL)	Optical Density																		
0.1	0.05																		
0.2	0.1																		
0.5	0.2																		
1	0.4																		
2	0.8																		
5	1.6																		
10	3.2																		
ELISA Detection	1:1000-1:10000	Mouse CTSB Detection Antibody (Biotin)																	

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

## Background

Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Cleaves matrix extracellular phosphoglycoprotein MEPE. Has also been implicated in tumor invasion and metastasis.