

## Monkey CTSL Antibody Pair Set

**Catalog No.** E-KAB-0659  
**Synonyms** CTSL1;CATL;MEP

**Applications** ELISA

### Kit components & Storage

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

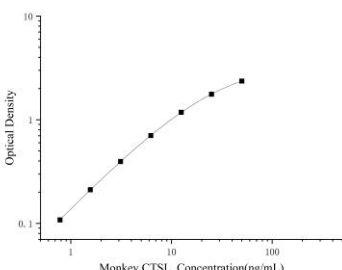
### Product Information

Items		Characteristic (E-KAB-0659)	
		Monkey CTSL Capture Antibody	Monkey CTSL Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Monkey CTSL protein	Recombinant Monkey CTSL protein
	Swissprot	/	
Product details	Reactivity	Monkey	Monkey
	Host	Goat	Goat
	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 Monkey CTSL in ELISAs.	

### For Research Use Only

## Applications

### Monkey CTSL Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Monkey CTSL Capture Antibody	
ELISA Detection	1:1000-1:10000	Monkey CTSL 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 lysosomal cysteine proteinase that plays a major role in intracellular protein catabolism. Its substrates include collagen and elastin, as well as alpha-1 protease inhibitor, a major controlling element of neutrophil elastase activity. The encoded protein has been implicated in several pathologic processes, including myofibril necrosis in myopathies and in myocardial ischemia, and in the renal tubular response to proteinuria. This protein, which is a member of the peptidase C1 family, is a dimer composed of disulfide-linked heavy and light chains, both produced from a single protein precursor. Multiple alternatively spliced transcript variants have been found for this gene.

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