Leader in Biomolecular Solutions for Life Science

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# Rabbit anti-Human Cathepsin B mAb (CAP)

**Catalog No.: RM17874**

## Basic Information

**Catalog No.**
RM17874

**Catagory**
Elisa Antibody Kit

**Application**
ELISA

## Product Information

**Ig Type**
Rabbit IgG

**Purification**
Affinity purification

**Endotoxin Level**

**Storage**
Store at -20℃
**Avoid repeated freeze-thaw cycles.**

**Formulation**
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

## Contact


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## Background

This gene encodes a member of the C1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the cathepsin B light and heavy chains, which can dimerize to form the double chain form of the enzyme. This enzyme is a lysosomal cysteine protease with both endopeptidase and exopeptidase activity that may play a role in protein turnover. It is also known as amyloid precursor protein secretase and is involved in the proteolytic processing of amyloid precursor protein (APP). Incomplete proteolytic processing of APP has been suggested to be a causative factor in Alzheimer's disease, the most common cause of dementia. Overexpression of the encoded protein has been associated with esophageal adenocarcinoma and other tumors. Both Cathepsin B and Cathepsin L are involved in the cleavage of the spike protein from the severe acute respiratory syndrome coronavir...

## Immunogen Information

**Immunogen**
Recombinant Human Neurogranin

## Cross-Reactivity

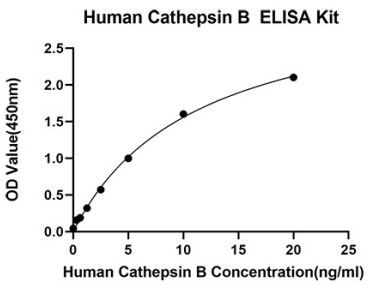
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## Assay Applications

Human Cathepsin B Sandwich ELISA Immunoassay

| | Recommended Concentration | Sample |
|---|---|---|
| ELISA Capture | 2-8ug/mL | Rabbit anti-Human Cathepsin B (CAP)(Cat. No.RM17874) |
| ELISA Detection | 0.0006-0.0024ug/mL | Rabbit anti-Human Cathepsin B (DET)(Cat. No.RM17875) |
| Standard | 0.31-20ng/mL | Recombinant Human Cathepsin B Protein |

## Validation Data




This standard curve is only for demonstration purposes. A standard curve should be generated for eachassay.