

# Rabbit anti-Human Cathepsin G Monoclonal Antibody | anti-CTSG antibody

Cathepsin G Rabbit mAb

|                               |                       |                            |                                            |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|
| CATALOG #<br><b>AAA282925</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|--------------------------------------------|

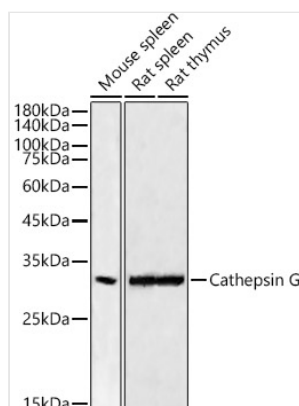
## PRODUCT SYNONYMS

Cathepsin G; Monoclonal Antibody; Cathepsin G Rabbit mAb; CG; CATG; anti-CTSG antibody

## PRODUCT SPECIFICATIONS

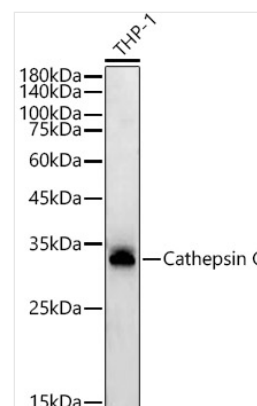
|                                                |                                                                                                                |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                         |
| Reactivity                                     | Human                                                                                                          |
| Clonality                                      | Monoclonal                                                                                                     |
| Isotype                                        | IgG                                                                                                            |
| Purity/Purification                            | Affinity purification                                                                                          |
| Form/Format                                    | PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.                                                     |
| Sequence                                       | TDTLREVQLR VQRDRQCLRI FGSYDPRRQI CVGDRRERKA AFKGDSSGGL LCNNVAHGIV SYGKSSGVPP EVFTRVSSFL PWIRTTMRSF KLLDQMETPL  |
| Applicable Applications for anti-CTSG antibody | ELISA, WB (Western Blot)                                                                                       |
| Cross Reactivity                               | Human, Mouse, Rat                                                                                              |
| Immunogen                                      | A synthetic peptide corresponding to a sequence within amino acids 156-255 of human Cathepsin G (NP_001902.1). |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                               |

## IMAGES



### WB (Western Blot)

Western blot analysis of various lysates, using Cathepsin G Rabbit mAb (AAA282925) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



### WB (Western Blot)

Western blot analysis of lysates from THP-1 cells, using Cathepsin G Rabbit mAb (AAA282925) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTSG antibody | The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophil granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. In addition, the encoded protein is antimicrobial, with bacteriocidal activity against S. aureus and N. gonorrhoeae. Transcript variants utilizing alternative polyadenylation signals exist for this gene. |
| Product Categories/Family for anti-CTSG antibody   | Signal Transduction; Cell Biology Developmental Biology; Cell Adhesion; Cytoskeleton; Extracellular Matrix; Neuroscience; Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                            |                                            |
|----------------------------|--------------------------------------------|
| NCBI GI #                  | 4503149                                    |
| NCBI GeneID                | 1511                                       |
| NCBI Accession #           | NP_001902.1                                |
| NCBI GenBank Nucleotide #  | NM_001911.2                                |
| UniProt Accession #        | P08311; Q6IBJ6; Q9UCA5; Q9UCU6             |
| Molecular Weight           | Calculated MW: 29kDa<br>Observed MW: 29kDa |
| UniProt Protein Name       | Cathepsin G                                |
| UniProt Gene Name          | CTSG                                       |
| UniProt Synonym Gene Names | CG                                         |
| UniProt Entry Name         | CATG_HUMAN                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cathepsin-g-antibody-western-blot-elisa/282925>