

## Human chymase 1, mast cell ELISA Kit | CMA1 elisa kit

Human Mast Cell Chymase ELISA Kit

CATALOG #  
**AAA15633**

REACTIVITY  
**Human**

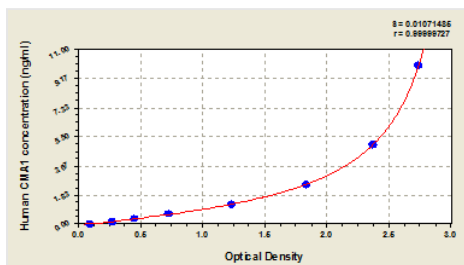
### PRODUCT SYNONYMS

chymase 1; mast cell; Human Mast Cell Chymase ELISA Kit; CYH; MCT1; MGC119890; MGC119891; chymase; chymase 1 preproprotein transcript E; chymase 1 preproprotein transcript I; heart; mast cell protease I; CMA1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                           |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human mast cell chymase. No significant cross-reactivity or interference between human mast cell chymase and analogues was observed. |
| Sequence Length         | 247                                                                                                                                                                                                             |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                           |
| Samples                 | Serum, cell culture supernates, tissue homogenates                                                                                                                                                              |
| Detection Range         | 0.156 ng/ml-10 ng/ml                                                                                                                                                                                            |
| Sensitivity             | < 0.039 ng/ml                                                                                                                                                                                                   |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                                                |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                                         |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                               |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CMA1 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for mast cell chymase has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any mast cell chymase present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for mast cell chymase is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of mast cell chymase bound in the initial step. The color development is stopped and the intensity of the color is measured. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4502907                                                                                                                                                      |
| NCBI GeneID                      | 1215                                                                                                                                                         |
| NCBI Accession #                 | NP_001827.1                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001836.3                                                                                                                                                  |
| UniProt Accession #              | P23946; Q16018; Q3SY36; Q9UDH5; B5BUM8                                                                                                                       |
| Molecular Weight                 | 27,325 Da                                                                                                                                                    |
| NCBI Official Full Name          | chymase preproprotein                                                                                                                                        |
| NCBI Official Synonym Full Names | chymase 1, mast cell                                                                                                                                         |
| NCBI Official Symbol             | CMA1                                                                                                                                                         |
| NCBI Official Synonym Symbols    | CYH; MCT1; chymase                                                                                                                                           |
| NCBI Protein Information         | chymase; alpha-chymase; chymase, heart; chymase, mast cell; mast cell protease I; chymase 1 preproprotein transcript E; chymase 1 preproprotein transcript I |
| UniProt Protein Name             | Chymase                                                                                                                                                      |
| UniProt Gene Name                | CMA1                                                                                                                                                         |
| UniProt Synonym Gene Names       | CYH; CYM                                                                                                                                                     |
| UniProt Entry Name               | CMA1_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.

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Online datasheet: <https://stage.aaabiotech.com/cma1-human-elisa-kits/chymase-1-mast-cell/15633>