

## Mouse granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) ELISA Kit | GZMB elisa kit

Mouse granzymes B, Gzms-B ELISA Kit

CATALOG #

**AAA79806**

REACTIVITY

**Mouse**

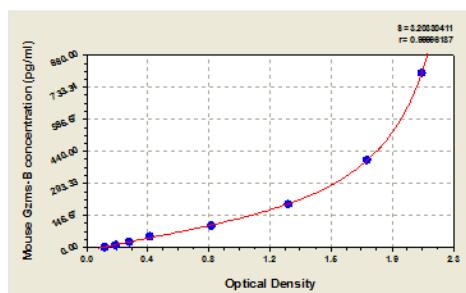
### PRODUCT SYNONYMS

granzyme B (granzyme 2; cytotoxic T-lymphocyte-associated serine esterase 1); Mouse granzymes B; Gzms-B ELISA Kit; CCPI; CGL-1; CGL1; CSP-B; CSPB; CTLA1; CTSL1; HLP; SECT; T-cell serine protease 1-3E; cathepsin G-like 1; cytotoxic serine protease B; fragmentin 2; granzyme B; GZMB elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                           |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                   | Mouse                                                                                                                                                                                                                                                                                                                     |
| Specificity                  | This assay has high sensitivity and excellent specificity for detection of Mouse GZMB. No significant cross-reactivity or interference between Mouse GZMB and analogues was observed.                                                                                                                                     |
| Sequence Length              | 247                                                                                                                                                                                                                                                                                                                       |
| Detection Range              | 0.32 ng/ml-20 ng/ml                                                                                                                                                                                                                                                                                                       |
| Sensitivity                  | 0.08 ng/ml                                                                                                                                                                                                                                                                                                                |
| Intra-assay Precision        | Intra-assay Precision (Precision within an assay): CV% is less than 8%<br>Three samples of known concentration were tested twenty times on one plate to assess.<br>Inter-assay Precision (Precision between assays): CV% is less than 10%<br>Three samples of known concentration were tested in twenty assays to assess. |
| Detection Wavelength         | 450 nm                                                                                                                                                                                                                                                                                                                    |
| Sample Volume                | 50-100ul                                                                                                                                                                                                                                                                                                                  |
| Protein Biological Process 1 | Apoptosis/Autophagy                                                                                                                                                                                                                                                                                                       |
| Protein Biological Process 3 | Apoptosis                                                                                                                                                                                                                                                                                                                 |
| 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 GZMB elisa kit | <b>Principle of the Assay:</b> The microtiter plate provided in this kit has been pre-coated with an antibody specific to Gzms-B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Gzms-B and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3'5, 5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain Gzms-B, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Gzms-B in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                           |
|----------------------------------|---------------------------------------------------------------------------|
| NCBI GI #                        | 7305123                                                                   |
| NCBI GeneID                      | 14939                                                                     |
| NCBI Accession #                 | NP_038570.1                                                               |
| NCBI GenBank Nucleotide #        | NM_013542.2                                                               |
| UniProt Accession #              | P04187                                                                    |
| Molecular Weight                 | 27,470 Da                                                                 |
| NCBI Official Full Name          | granzyme B(G,H)                                                           |
| NCBI Official Synonym Full Names | granzyme B                                                                |
| NCBI Official Symbol             | Gzmb                                                                      |
| NCBI Official Synonym Symbols    | GZB; CCP1; Ctla1; Ctla-1; AI553453; CCP-1/C11                             |
| NCBI Protein Information         | granzyme B(G,H); granzyme B(G,H); fragmentin-2; cytotoxic cell protease 1 |
| UniProt Protein Name             | Granzyme B(G,H)                                                           |
| UniProt Gene Name                | Gzmb                                                                      |
| UniProt Synonym Gene Names       | Ctla-1; Ctla1; CCP1                                                       |
| UniProt Entry Name               | GRAB_MOUSE                                                                |

**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/gzmb-mouse-elisa-kits/granzyme-b-granzyme-2-cytotoxic-t-lymphocyte-associated-serine-esterase-1/79806>