

## Rabbit anti-Human Granzyme B Monoclonal Antibody | anti-GZMB antibody

Granzyme B (NK/T-Cell Lymphoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone GZMB/4539R]

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA215698 | Rabbit | Human      | Immunohistochemistry, Western Blot |

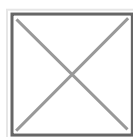
### PRODUCT SYNONYMS

Granzyme B; Monoclonal Antibody; Granzyme B (NK/T-Cell Lymphoma Marker) Recombinant Rabbit Monoclonal Antibody [Clone GZMB/4539R]; Granzyme B (NK/T-Cell Lymphoma Marker); Cathepsin G-like 1; CCPI; CGL1; CSPB; CTLA-1; CTSL1; Cytotoxic serine protease B; Cytotoxic T lymphocyte associated serine esterase 1; Cytotoxic T-lymphocyte proteinase 2; Fragmentin-2; GRB; Human lymphocyte protein (Hlp); Lymphocyte protease; SECT; T-cell serine protease 1-3E; anti-GZMB antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                      |
| Reactivity                                     | Human                                                                                                                                                                       |
| Clonality                                      | Monoclonal                                                                                                                                                                  |
| Isotype                                        | Rabbit/IgG                                                                                                                                                                  |
| Clone Number                                   | GZMB/4539R                                                                                                                                                                  |
| Form/Format                                    | 200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.       |
| Concentration                                  | Purified Ab with BSA and Azide at 200ug/ml<br>OR<br>Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)                                                           |
| Applicable Applications for anti-GZMB antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                               |
| Antibody Type                                  | Recombinant Antibody                                                                                                                                                        |
| Immunogen                                      | Recombinant fragment of human GZMB protein (around aa 73-187) (exact sequence is proprietary)                                                                               |
| Cellular Localization                          | Cytoplasm                                                                                                                                                                   |
| Positive Control                               | A431 cells. Human tonsil, spleen or Hodgkin s Lymphoma tissue (IHC).                                                                                                        |
| Hu-chromosome Location                         | 14q11.2                                                                                                                                                                     |
| Unigene                                        | 1051                                                                                                                                                                        |
| Preparation and Storage                        | Antibody with azide: store at 2 to 8 degree C<br>Antibody without azide: store at -20 to -80 degree C<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required. |

### IMAGES



#### IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human spleen stained with Granzyme B Recombinant Rabbit Monoclonal Antibody (GZMB/4539R).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GZMB antibody | Granzyme B is a member of the granule serine protease family stored specifically in NK cells or cytotoxic T cells. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. Granzyme B is crucial for the rapid induction of target cell apoptosis by CTLs in the cell-mediated immune response. Granzyme B is useful as a marker in the identification of NK/T-cell lymphomas. High percentages of cytotoxic T-cells have been shown to be an unfavorable prognostic indicator in Hodgkin s Disease. |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 221625528                                                                                                                                                                                        |
| NCBI GeneID                      | 3002                                                                                                                                                                                             |
| NCBI Accession #                 | NP_004122.2                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_004131.4                                                                                                                                                                                      |
| UniProt Accession #              | P10144; Q8N1D2; Q9UCC1                                                                                                                                                                           |
| Molecular Weight                 | 27,716 Da                                                                                                                                                                                        |
| NCBI Official Full Name          | granzyme B                                                                                                                                                                                       |
| NCBI Official Synonym Full Names | granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)                                                                                                                     |
| NCBI Official Symbol             | GZMB                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1                                                                                                                                          |
| NCBI Protein Information         | granzyme B; C11; CTLA-1; fragmentin 2; fragmentin-2; cathepsin G-like 1; human lymphocyte protein; T-cell serine protease 1-3E; cytotoxic serine protease B; cytotoxic T-lymphocyte proteinase 2 |
| UniProt Protein Name             | Granzyme B                                                                                                                                                                                       |
| UniProt Gene Name                | GZMB                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | CGL1; CSPB; CTLA1; GRB; CTSG1; Lymphocyte protease; HLP                                                                                                                                          |
| UniProt Entry Name               | GRAB_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/monoclonal/granzyme-b-antibody-clone-gzmb-4539r-immunohistochemistry-western-blot-elisa/215698>