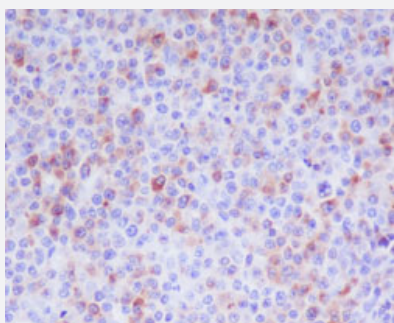


# GZMB monoclonal antibody, clone AAHC-7

Catalog # MAB22035      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human T cell lymphoma.

## Specification

|                            |                                                                                                                                                                                                                                                        |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit monoclonal antibody raised against synthetic protein of human GZMB.                                                                                                                                                                             |
| <b>Immunogen</b>           | A synthetic peptide corresponding to human GZMB.                                                                                                                                                                                                       |
| <b>Host</b>                | Rabbit                                                                                                                                                                                                                                                 |
| <b>Reactivity</b>          | Human                                                                                                                                                                                                                                                  |
| <b>Specificity</b>         | This antibody reacts with human GZMB, in native form and recombinant. Superfamily members of GZMB are not reactive to antibody.                                                                                                                        |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                 |
| <b>Purification</b>        | Affinity purification                                                                                                                                                                                                                                  |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                    |
| <b>Recommend Usage</b>     | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-200)<br>Immunofluorescence (1:50-200)<br>Immunocytochemistry (1:50-200)<br>Immunoprecipitation (1:50)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).                                                        |
| Storage Instruction | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                 |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)  
Immunohistochemical staining of human T cell lymphoma.
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

## Gene Info — GZMB

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">3002</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protein Accession# | <a href="#">P10144</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Name          | GZMB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Alias         | CCPI, CGL-1, CGL1, CSP-B, CSPB, CTLA1, CTSL1, HLP, SECT                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Description   | granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Omim ID            | <a href="#">123910</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Summary       | Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable 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. The protein encoded by this gene is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response. [provided by RefSeq] |
| Other Designations | T-cell serine protease 1-3E cathepsin G-like 1 cytotoxic serine protease B fragmentin 2 granzyme B                                                                                                                                                                                                                                                                                                                                                                                            |

## Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Graft-versus-host disease](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Type I diabetes mellitus](#)

## Disease

- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Leukemia](#)
- [Lymphohistiocytosis](#)
- [Melanoma](#)
- [Neovascularization](#)
- [Respiratory Syncytial Virus Infections](#)
- [Vitiligo](#)