

## GZMA monoclonal antibody, clone GA6

Catalog # MAB5333

Size 100 ug

### Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant GZMA.
<b>Immunogen</b>	Recombinant protein corresponding to human GZMA.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Specificity</b>	This antibody recognizes Granzyme A, a 60kD disulphide-linked homodimeric protein expressed in cytoplasmic granules of cytotoxic lymphocytes. The biological function of Granzyme A is unclear. It would appear that the molecule may have a role in the induction of apoptosis via its activity as a serine protease, but this would seem to be subsidiary to the role of Granzyme B. Granzyme A deficient mice are indistinguishable from normal animals in their response to infection.
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In Tris (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

## Gene Info — GZMA

**Entrez GeneID** [3001](#)**Gene Name** GZMA**Gene Alias** CTLA3, HFSP**Gene Description** granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)**Omim ID** [140050](#)**Gene Ontology** [Hyperlink](#)

**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 described here is a T cell- and natural killer cell-specific serine protease that may function as a common component necessary for lysis of target cells by cytotoxic T lymphocytes and natural killer cells. [provided by RefSeq]

**Other Designations** CTL tryptase|Granzyme A (Cytotoxic T-lymphocyte-associated serine esterase-3; Hanukah factor serine protease)|granzyme A

## Pathway

- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)