

GZMB monoclonal antibody, clone CLB-GB11

Catalog # MAB8704

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length native GZMB.
Immunogen	Native purified GZMB from human NK cell line YT-INDY.
Host	Mouse
Reactivity	Human, Non-Human Primates
Specificity	This antibody is specific to GZMB.
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 8.0 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze. 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

- Flow Cytometry

Gene Info — GZMB

Entrez GeneID

[3002](#)

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	123910
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 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

Publication Reference

- [Granzyme B-induced and caspase 3-dependent cleavage of gelsolin by mouse cytotoxic T cells modifies cytoskeleton dynamics.](#)

Martin P, Pardo J, Schill N, Jockel L, Berg M, Froelich CJ, Wallich R, Simon MM.

Journal of Biological Chemistry 2010 Jun; 285(24):18918.

- [Dysfunction of simian immunodeficiency virus/simian human immunodeficiency virus-induced IL-2 expression by central memory CD4+ T lymphocytes.](#)

Sun Y, Schmitz JE, Acierno PM, Santra S, Subbramanian RA, Barouch DH, Gorgone DA, Lifton MA, Beaudry KR, Manson K, Philippon V, Xu L, Maecker HT, Mascola JR, Panicali D, Nabel GJ, Letvin NL.

Journal of Immunology 2005 Apr; 174(8):4753.

Application: Flow Cyt, Monkey, Rhesus monkey CD4 T lymphocytes

- [Subtractive hybridization reveals the expression of immunoglobulin-like transcript 7, Eph-B1, granzyme B, and 3 novel transcripts in human plasmacytoid dendritic cells.](#)

Rissoan MC, Duhon T, Bridon JM, Bendriss-Vermare N, Peronne C, de Saint Vis B, Briere F, Bates EE.

Blood 2002 Nov; 100(9):3295.

Application: Flow Cyt, Human, PDCs, MDDCs, Monocytes

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](#)