

Mouse anti-Human Granzyme B Monoclonal Antibody | anti-GZMB antibody

Anti-Granzyme B Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254845	Mouse	Human	Immunohistochemistry, ELISA

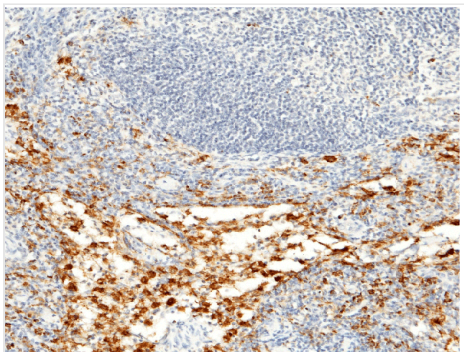
PRODUCT SYNONYMS

Granzyme B; Monoclonal Antibody; Anti-Granzyme B Antibody; Mouse Monoclonal; Granzyme B/GZMB Antibody; Mouse MAb; granzyme B (granzyme 2; cytotoxic T-lymphocyte-associated serine esterase 1); Anti-CCPI Antibody; Anti-CGL-1 Antibody; Anti-CGL1 Antibody; Anti-CSP-B Antibody; Anti-CSPB Antibody; Anti-CTLA1 Antibody; Anti-CTSG1 Antibody; Anti-HLP Antibody; Anti-SECT Antibody; anti-GZMB antibody

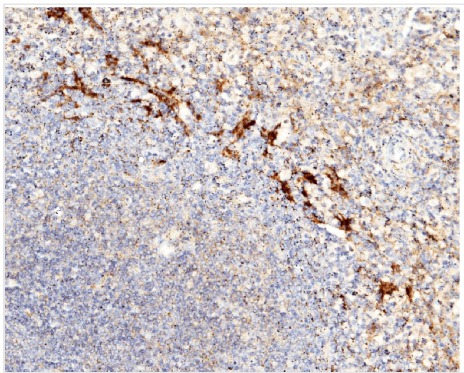
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Number	2F5F2D10
Specificity	Human Granzyme B/GZMB
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GZMB antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Granzyme B protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Granzyme B (rhGranzyme B). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

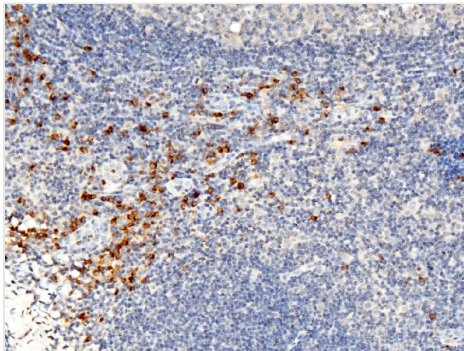
IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human Granzyme B in human lymph node with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human Granzyme B in human spleen with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human Granzyme B in human tonsil with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-GZMB antibody	Granzyme B, also known as GZMB, is the most prominent member of the granzyme family of cell death-inducing serine proteases expressed in the granules of cytotoxic T lymphocytes (CTLs) and NK cells. Granzyme B enters the target cells depending on another membrane-binding granule protein, perforin, results in the activation of effector caspases and mitochondrial depolarization through caspase-dependent and -independent pathways, and consequently induces rapid cell apoptosis. Over 3 substrates of GZMB have been identified including the key substrate caspase-3, ICAD, and Bid. GZMB is suggested to protect the host by lysing cells bearing on their surface 'nonself' antigens such as bacterial and viral infected-cells and tumor cells and accordingly plays an essential role in immunosurveillance.
Product Categories/Family for anti-GZMB antibody	Serine Proteases and Regulators
References	Schmid J., et al., (1987), Induction of mRNA for a serine protease and a beta-thromboglobulin-like protein in mitogen-stimulated human leukocytes. J. Immunol. 139:250-256.Caputo A., et al., (1988), Structure and differential mechanisms of regulation of expression of a serine esterase gene in activated human T lymphocytes.J. Biol. Chem. 263:6363-6369.Trapani J.A., et al., (1988), Molecular cloning of an inducible serine esterase gene from human cytotoxic lymphocytes.Proc. Natl. Acad. Sci. U.S.A. 85:6924-6928.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758494
NCBI GeneID	3002
NCBI Accession #	NP_004122.1
NCBI GenBank Nucleotide #	NM_004131.3

Molecular Weight	27,716 Da
NCBI Official Full Name	granzyme B
NCBI Official Synonym Full Names	granzyme B
NCBI Official Symbol	GZMB
NCBI Official Synonym Symbols	C11; HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1
NCBI Protein Information	granzyme B

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/granzyme-b-antibody-clone-2f5f2d10-immunohistochemistry-elisa/254845>