

Mouse GRANZYME B Monoclonal Antibody | anti-GZMB antibody

MOUSE ANTI GRANZYME B

CATALOG # AAA49332	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay, ELISA
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PRODUCT SYNONYMS

GRANZYME B; Monoclonal Antibody; MOUSE ANTI GRANZYME B; anti-GZMB antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	GB11
Form/Format	Purified IgG - liquid ; Tris buffered saline
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	247
Applicable Applications for anti-GZMB antibody	FCM/FACS (Flow Cytometry), ELISA
Perservative Stabilisers	0.09% Sodium azide (NaN ₃)
RRID	AB_2114582
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Immunogen	Purified human Granzyme B.
Buffer Solution	Tris buffered saline
Target Species	Human
Reactivity Note	Reacts with: Chimpanzee, Monkey, Rhesus Monkey N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Preparation and Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.



Application Data
Sandwich ELISA analysis of human granzyme B using Mouse anti Human granzyme B as a capture reagent and biotinylated Mouse anti Human granzyme B as a detection reagent with recombinant human granzyme B as antigen. Detection is by HRP conjugated streptavidin and substrate. Microtitre plate is read at O.D. 450 nm on the iMark Microplate Absorbance Reader . Human plasma samples are diluted i:2 (green) and 1:4 (blue)

ADDITIONAL INFORMATION

Related Product Information for anti-GZMB antibody	Mouse anti Granzyme B antibody, clone GB11 recognizes the serine protease Granzyme B, important in the induction of apoptosis in target cells by cytolytic lymphocytes (CTLs). Granzyme B plays a key role in the induction of apoptosis by CTLs. After delivery to the target cell, Granzyme B activates the cascade of caspases that finally results in cell death. Mouse anti Granzyme B antibody, clone GB11 is suitable for the detection of Granzyme B expressing cells by flow cytometry. In normal peripheral blood approximately 20% of CD8+ve T cells have been found to express Granzyme B.
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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
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; T-cell serine protease 1-3E; cathepsin G-like 1; cytotoxic T-lymphocyte proteinase 2; cytotoxic serine protease B; fragmentin 2; fragmentin-2; human lymphocyte protein
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-gb11-flow-cytometry-elisa/49332>