

Mouse GRANZYME A Monoclonal Antibody | anti-GZMA antibody

MOUSE ANTI HUMAN GRANZYME A

CATALOG # AAA49331	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

GRANZYME A; Monoclonal Antibody; MOUSE ANTI HUMAN GRANZYME A; anti-GZMA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	GA6
Form/Format	Purified IgG - liquid; Phosphate buffered saline.
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	262
Applicable Applications for anti-GZMA antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Immunogen	Recombinant human Granzyme A
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Target Species	Human
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity Note	Mouse anti Human granzyme A antibody, clone GA6 recognizes Granzyme A, a ~60 kDa disulphide-linked homodimeric protein of two 262 amino acid chains, expressed in cytoplasmic granules of cytotoxic lymphocytes and NK cells. Granzyme A is involved 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. Granzyme A has been proposed as a potential biomarker for patients with active tuberculosis with significantly lower levels present in the plasma of patients with the active form of the disease compared to patients with latent infection (Guggino et al. 2015).
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453676
NCBI GeneID	3001
NCBI Accession #	NP_006135.1

NCBI GenBank Nucleotide #	NM_006144.3
UniProt Accession #	P12544; Q6IB36; A4PHN1
NCBI Official Full Name	granzyme A
NCBI Official Synonym Full Names	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)
NCBI Official Symbol	GZMA
NCBI Official Synonym Symbols	HFSP; CTLA3
NCBI Protein Information	granzyme A; CTL tryptase; Granzyme A (Cytotoxic T-lymphocyte-associated serine esterase-3; Hanukah factor serine protease); HF; cytotoxic T-lymphocyte proteinase 1; fragmentin-1
UniProt Protein Name	Granzyme A
UniProt Gene Name	GZMA
UniProt Synonym Gene Names	CTLA3; HFSP; H factor; HF
UniProt Entry Name	GRAA_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-a-antibody-clone-ga6-western-blot-immunohistochemistry-elisa/49331>