Datasheet for ABIN6939590

anti-GZMB antibody (AA 73-187)

2 Images

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Overview

Quantity:	100 µg
Target:	GZMB
Binding Specificity:	AA 73-187
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant fragment of human GZMB protein (around aa 73-187) (exact sequence is proprietary)
Clone:	GZMB-2403
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	GZMB
Alternative Name:	GZMB (GZMB Products)
Background:	Granzyme B is a member of the granule serine protease family stored specifically in NK cells or

Target Details

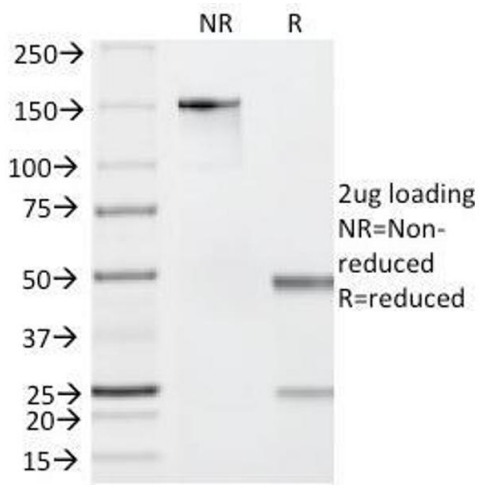
	cytotoxic T cells. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. Granzyme B is crucial for the rapid induction of target cell apoptosis by CTLs in the cell-mediated immune response. Granzyme B is useful as a marker in the identification of NK/T-cell lymphomas. High percentages of cytotoxic T-cells have been shown to be an unfavorable prognostic indicator in Hodgkin's Disease.
Molecular Weight:	29-32kDa
Gene ID:	3002
UniProt:	P10144
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	Positive Control: A431 cells. Human tonsil, spleen or Hodgkin's Lymphoma tissue (IHC). Known Application: ELISA (For coating use Ab at 1-5 µg/mL, order Ab without BSA) Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

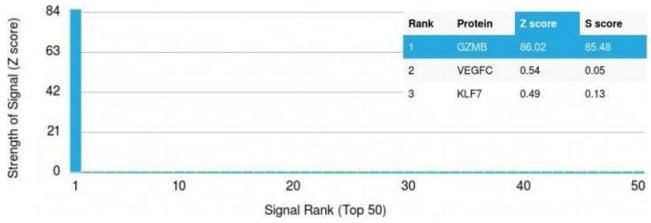
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Granzyme B Mouse Monoclonal Antibody (GZMB/2403). Confirmation of Integrity and Purity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing >19,000 full-length human proteins using Granzyme B Mouse Monoclonal Antibody (GZMB/2403) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.