

Mouse anti-Human Granzyme B (NK/T-Cell Lymphoma Marker) Antibody | anti-GZMB antibody

Granzyme B (NK/T-Cell Lymphoma Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214867	Mouse	Human	Immunohistochemistry, Western Blot

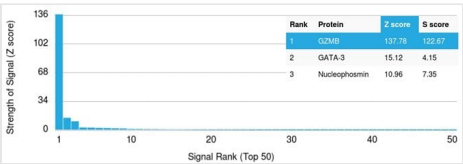
PRODUCT SYNONYMS

Granzyme B (NK/T-Cell Lymphoma Marker); Granzyme B (NK/T-Cell Lymphoma Marker) Mouse Monoclonal Antibody; Cathepsin G-like 1; CCPI; CGL1; CSPB; CTLA-1; CTSL1; Cytotoxic serine protease B; Cytotoxic T lymphocyte associated serine esterase 1; Cytotoxic T-lymphocyte proteinase 2; Fragmentin-2; Granzyme B; Granzyme-2; GRB; Gzmb; Human lymphocyte protein (Hlp); Lymphocyte protease; SECT; T-cell serine protease 1-3E; anti-GZMB antibody

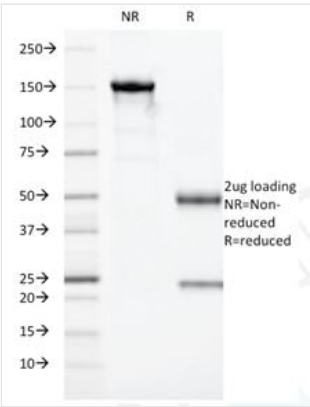
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Isotype	IgG2b, k
Clone Number	GZMB/3014
Specificity	Granzyme B is a member of the granule serine protease family stored specifically in NK cells or 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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-GZMB antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fragment of human GZMB protein (around aa 73-187) (exact sequence is proprietary)
Cellular Localization	Cytoplasmic
Positive Control	A431 cells. Tonsil, Spleen or Hodgkin's Lymphoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

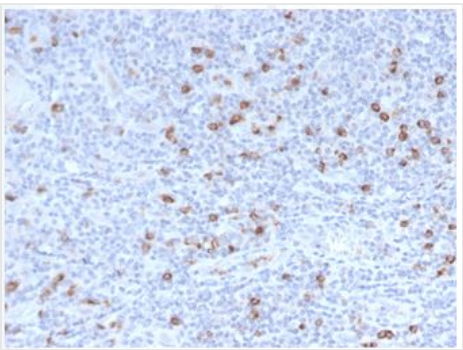
IMAGES



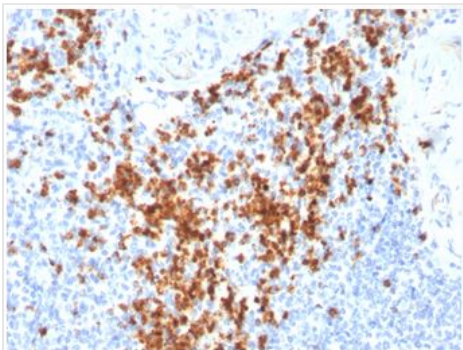
Application Data
Analysis of Protein Array containing >19,000 full-length human proteins using Granzyme B Mouse Monoclonal Antibody (GZMB/3014)



SDS-PAGE
SDS-PAGE Analysis Purified Granzyme B Mouse Monoclonal Antibody (GZMB/3014). Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Granzyme B Mouse Monoclonal Antibody (GZMB/3014).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Spleen stained with Granzyme B Mouse Monoclonal Antibody (GZMB/3014).

ADDITIONAL INFORMATION

References

1. Shresta, S., et al. 1995. Natural killer and lymphokine-activated killer cells require granzyme B for the rapid induction of apoptosis in susceptible target cells. Proc. Natl. Acad. Sci. USA 92: 5679-5683.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	3002
UniProt Accession #	P10144
Molecular Weight	29-32kDa

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.