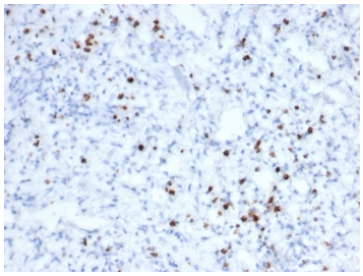
Recombinant GZMB Antibody / Granzyme B [clone rGZMB/6740] (V9404)

Catalog No.	Formulation	Size
V9404-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9404-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9404SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

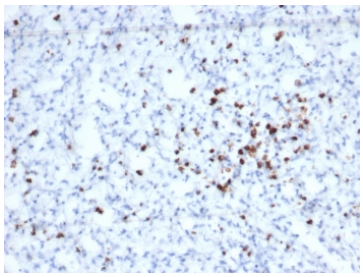
Recombinant MOUSE MONOCLONAL

Bulk quote request

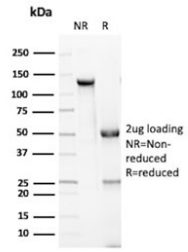
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rGZMB/6740
Purity	Protein A/G affinity
UniProt	P10144
Localization	Cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant GZMB antibody is available for research use only.



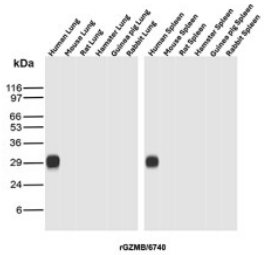
IHC staining of FFPE human tonsil tissue with recombinant GZMB antibody (clone rGZMB/6740). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



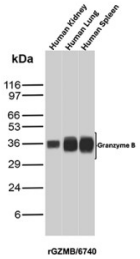
IHC staining of FFPE human spleen tissue with recombinant GZMB antibody (clone rGZMB/6740). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant GZMB antibody (clone rGZMB/6740) as confirmation of integrity and purity.



Recombinant GZMB Antibody in Multi-Species Lung and Spleen WB. Western blot testing of Recombinant GZMB Antibody / Granzyme B in lung and spleen tissue lysates from human, mouse, rat, hamster, guinea pig and rabbit. A strong band is observed at approximately 29 kDa in human lung and human spleen, while no corresponding band is detected in the tested mouse, rat, hamster, guinea pig or rabbit tissues. This Recombinant GZMB Antibody demonstrates detection of endogenous Granzyme B in the tested human tissues.



Recombinant GZMB Antibody in Human Kidney, Lung and Spleen WB. Western blot testing of Recombinant GZMB Antibody / Granzyme B in human kidney, lung and spleen tissue lysates. Granzyme B is detected as a prominent band at approximately 35-36 kDa in all three tissues, with the strongest signal observed in spleen. This Recombinant GZMB Antibody demonstrates detection of endogenous Granzyme B across the tested human tissues.

Description

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 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.

Learn more about our Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody for investigating immune cell activation, cell-mediated cytotoxicity, tumor immunity, and natural killer cell function.

Application Notes

Optimal dilution of the recombinant GZMB antibody should be determined by the researcher.

Immunogen

A portion of amino acids 73-187 was used as the immunogen for the recombinant GZMB antibody.

Storage

Aliquot the recombinant GZMB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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