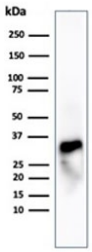
Recombinant Granzyme B Antibody [clone GZMB/4539R] (V9508)

Catalog No.	Formulation	Size
V9508-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9508-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9508SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

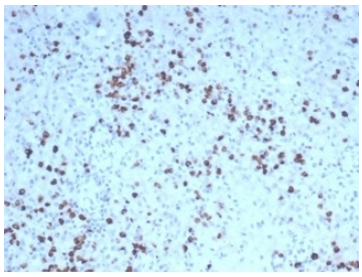
Recombinant RABBIT MONOCLONAL

Bulk quote request

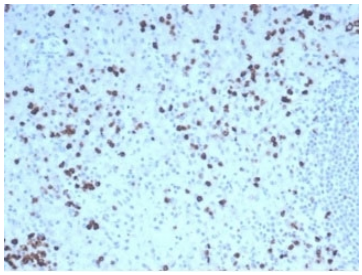
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	GZMB/4539R
Purity	Protein A/G affinity
UniProt	P10144
Localization	Cytoplasm
Applications	Western blot: 2-4ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant Granzyme B antibody is available for research use only.



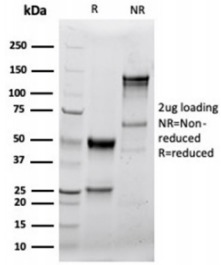
Western blot testing of human spleen tissue lysate using recombinant Granzyme B antibody (clone GZMB/4539R). Predicted molecular weight: 29-37 kDa.



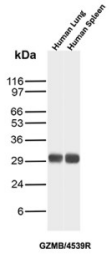
IHC staining of FFPE human spleen tissue with recombinant Granzyme B antibody (clone GZMB/4539R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



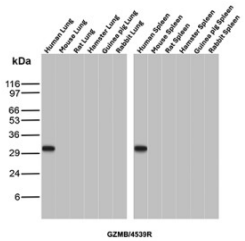
IHC staining of FFPE human tonsil tissue with recombinant Granzyme B antibody (clone GZMB/4539R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Granzyme B antibody (clone GZMB/4539R) as confirmation of integrity and purity.



Recombinant Granzyme B Antibody in Human Lung and Spleen WB. Western blot testing of Recombinant Granzyme B Antibody in human lung and spleen tissue lysates. A strong, discrete band is observed at approximately 30 kDa in both tissues. This Recombinant Granzyme B Antibody demonstrates detection of endogenous Granzyme B in the tested human tissues.



Recombinant Granzyme B Antibody in Multi-Species Lung and Spleen WB. Western blot testing of Recombinant Granzyme B Antibody in lung and spleen tissue lysates from human, mouse, rat, hamster, guinea pig and rabbit. A strong, discrete band is observed at approximately 31-32 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 Granzyme B Antibody demonstrates detection of endogenous Granzyme B in 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 Granzyme B antibody should be determined by the researcher.

Immunogen

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

Storage

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

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