

Product Datasheet

Recombinant GZMB Antibody / Granzyme B (orb2635529)

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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IHC-P, WB
Immunogen	A portion of amino acids 73-187 was used as the immunogen for the recombinant GZMB antibody.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the recombinant GZMB antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Mouse IgG2a, kappa
Clonality	Recombinant

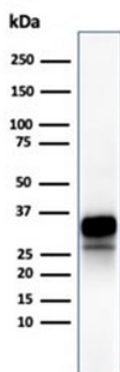
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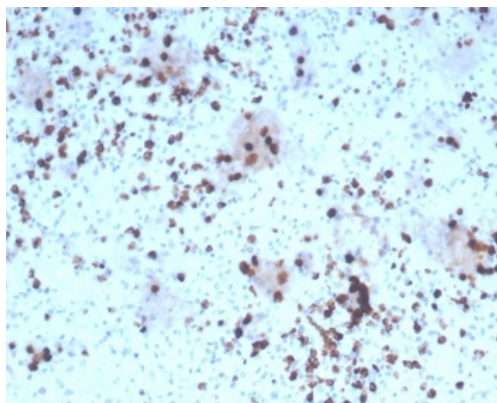
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Clone Number	rGZMB/4538
Antibody Type	Primary Antibody
Uniprot ID	P10144
Hazard Information	This recombinant GZMB antibody is available for research use only.
Dilution Range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml
Expiration Date	12 months from date of receipt.



Western blot testing of human spleen tissue lysate using recombinant GZMB antibody (clone rGZMB/4538). Predicted molecular weight: 29-37 kDa.



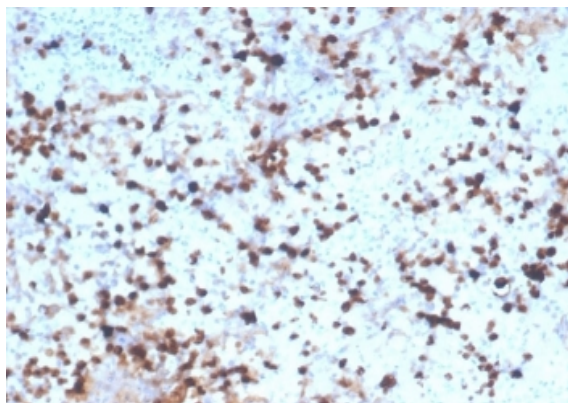
IHC staining of FFPE human tonsil tissue with recombinant GZMB antibody (clone rGZMB/4538). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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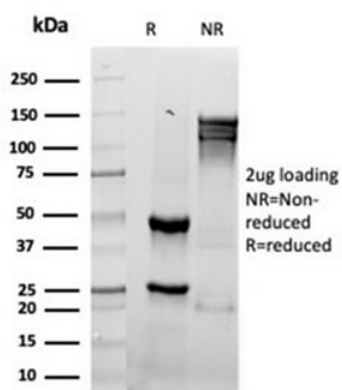
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IHC staining of FFPE human spleen tissue with recombinant GZMB antibody (clone rGZMB/4538). HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant GZMB antibody (clone rGZMB/4538) as confirmation of integrity and purity.

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