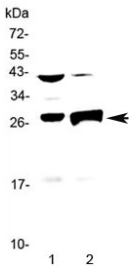
Granzyme B Antibody (RQ4165)

Catalog No.	Formulation	Size
RQ4165	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P04187
Applications	Western Blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Granzyme B antibody is available for research use only.



Granzyme B Antibody Mouse Thymus and Liver WB. Western blot analysis of mouse thymus and liver tissue lysates using Granzyme B Antibody at 0.5 ug/ml. An HRP-conjugated secondary antibody with ECL substrate was used for detection. Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody, detects bands within the expected 29-37 kDa molecular weight range, consistent with precursor and proteolytically processed forms of granzyme B. The higher molecular weight band likely represents the inactive proenzyme, while the lower band corresponds to the mature active enzyme.

Description

Granzyme B is a serine protease that in humans is encoded by the GZMB gene. Granzyme B is expressed by cytotoxic T lymphocytes (CTL) and natural killer (NK) cells. CTL and NK cells share the remarkable ability to recognize specific infected target cells. They are thought to protect their host by inducing apoptosis of cells that bear on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein encoded by this gene is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response.

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 Granzyme B antibody should be determined by the researcher.

Immunogen

A recombinant mouse protein corresponding to amino acids I21-S247 was used as the immunogen for the Granzyme B antibody.

Storage

After reconstitution, the Granzyme B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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