

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
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.



Western blot testing of mouse 1) thymus and 2) liver lysate with Granzyme B antibody at 0.5ug/ml. Predicted molecular weight: 29-37 kDa.

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.

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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.