

Datasheet for ABIN2666249

anti-GZMB antibody (AA 21-247)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	GZMB
Binding Specificity:	AA 21-247
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	Biochemical Assay (BCA)

Product Details

Immunogen:	AA 21-247 of Human Granzyme B produced in E. coli.
Clone:	O94E6-GZMB
Isotype:	IgG2a
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	GZMB
Alternative Name:	Granzyme B (GZMB Products)
Background:	Granzyme B is a serine protease that is produced mainly by cytotoxic T cells (CTL) and natural killer (NK) cells. It plays an important role in cytotoxic lymphocyte-mediated apoptosis, chronic

Target Details

inflammation, and impaired wound healing. Granzyme B is packaged in cytoplasmic granules that are exocytosed towards a bound target cell, which subsequently activates multiple protein substrates that induce apoptosis. Perforin facilitates the transfer of Granzyme B into the target cell. Most circulating CD56+, CD8-, NK cells, and approximately half of circulating CD8+ T cells coexpress both Granzyme A and B. The activation of CD8+ and CD4+ T lymphocytes induce substantial expression of Granzyme B, but not Granzyme A. Recently, Granzyme B has been found to be produced by other cell types such as CD34+ hematopoietic progenitor cells, keratinocytes, basophils, mast cells, plasmacytoid dendritic cells, B cells, and smooth muscle cells. Elevated levels of Granzyme B are also found in some kinds of autoimmune diseases, type 1 diabetes, and cardiovascular diseases.

Pathways: [Apoptosis, Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

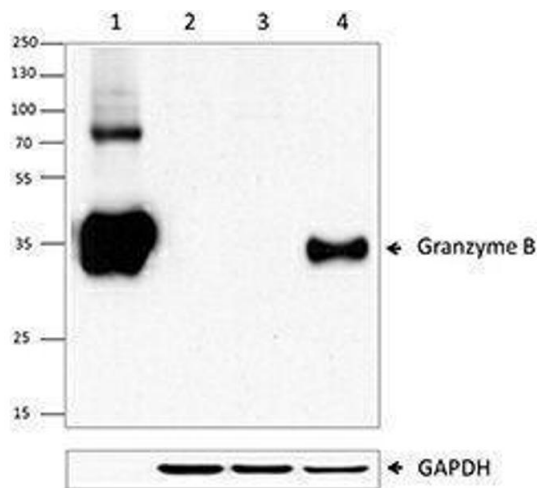
Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

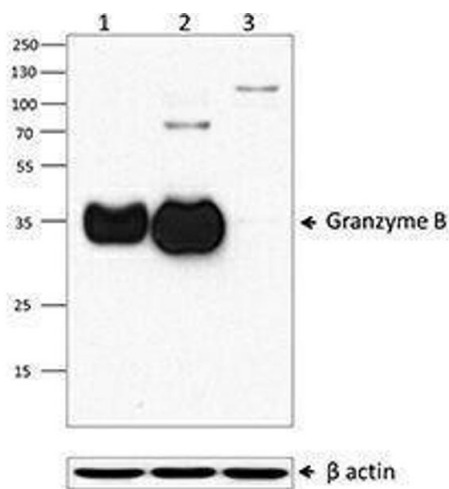
Storage: 4 °C

Storage Comment: Upon receipt, store undiluted at 4°C



Western Blotting

Image 1.



Western Blotting

Image 2.