Datasheet for ABIN187356

anti-GZMB antibody

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	GZMB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Recombinant human granzyme B (aa 7-227)
Clone:	B18-1
Isotype:	IgG2a
Specificity:	Recognizes human granzyme B. Species Reactivity: Human. Others not tested. Positive Control: Human CD8+ T cells.
Purity:	95 % as determined by SDS-PAGE.

Target Details

Target:	GZMB
Abstract:	GZMB Products

Target Details

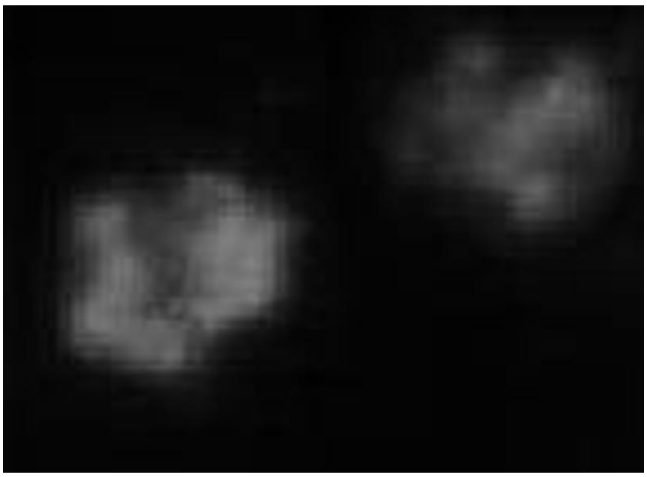
Background:	Granzyme B is a 27 kDa serine protease stored in granules of activated cytotoxic T cells and NK cells. Upon target cell contact, granzyme B is directionally exocytosed and, assisted by perforin, enters the target cell. In the target, granzyme B processes and activates various pro-caspases, inducing apoptosis in the target cell.
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	Flow cytometry Immunocytochemistry Immunoprecipitation Immunohistochemistry: (frozen sections and paraffin sections) Western blot: Suggested dilution of 1 µg/mL The optimal dilution for a specific application should be determined by the researcher. Figure A: Detection of recombinant granzyme B. Granzyme B migrates as a 27 kDa species. Method: Recombinant granzyme B was resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and probed with the monoclonal anti-granzyme B antibody B18.1 at 1 µg/mL. Proteins were visualized using a peroxidase-conjugated antibody to mouse IgG and a chemiluminescence detection system. Figure B: Detection of granzyme B in a human CD8+ T cell clone. Method: Human T cells were plated onto polylysine treated glass slides, fixed and permeabilized in methanol at -20 °C for 5 min., then in acetone at -20 °C for 30 seconds. After 3 washes in PBS, 0.1% BSA, slides were incubated for 1 hour at room temperature (RT) with 20 µg/mL of clone B18.4 antibody in PBS, 0.1% BSA. After rinsing in PBS, a FITC-conjugated anti-mouse IgG was added for 30 min., slides washed again in PBS and visualized using a fluorescence microscope.
Restrictions:	For Research Use only

Handling

Buffer:	100 µg of liquid purified monoclonal antibody at 1 mg/mL in PBS with 0.02% 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



Immunofluorescence

Image 1.