

Product datasheet

Anti-Granzyme B antibody [B18.1.] (FITC) ab17929

1 References 画像数 3

製品の概要

製品名	Anti-Granzyme B antibody [B18.1.] (FITC)
製品の詳細	Mouse monoclonal [B18.1.] to Granzyme B (FITC)
由来種	Mouse
標識	FITC. Ex: 493nm, Em: 528nm
特異性	Recognizes human granzyme B.
アプリケーション	適用あり: ICC, Flow Cyt, IHC-P, IHC-Fr
種交差性	交差種: Human
免疫原	Recombinant fragment, corresponding to amino acids 7-227 of Human Granzyme B.
特記事項	1 test means: 1 µl of a 1 mg/ml stock solution were used to stain 200,000 cells in a sample volume of 50 µl.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: 0.02% Sodium Azide Constituents: PBS
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	B18.1.
アイソタイプ	IgG1

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab17929** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

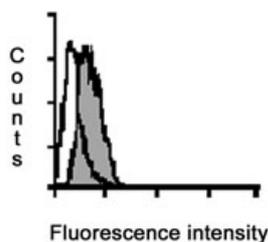
アプリケーション	Abreviews	特記事項
ICC		Use at an assay dependent concentration.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use at an assay dependent concentration. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.

ターゲット情報

機能	This enzyme is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp. Seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. Cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis.
配列類似性	Belongs to the peptidase S1 family. Granzyme subfamily. Contains 1 peptidase S1 domain.
細胞内局在	Cytoplasmic granule. Cytoplasmic granules of cytolytic T-lymphocytes and natural killer cells.

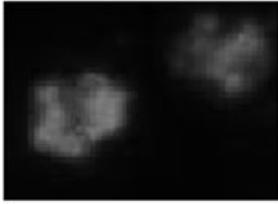
画像



Flow Cytometry - Anti-Granzyme B antibody
[B18.1.] (FITC) (ab17929)

Detection of granzyme B in permeabilized human CD8+ T lymphocytes (filled profile). Isotype control in combination with a secondary FITC-labeled antibody is shown as control.

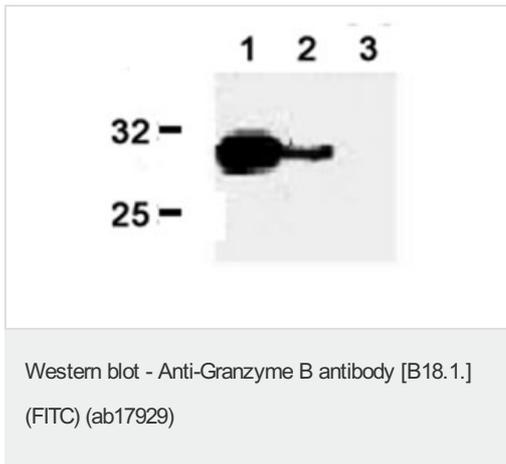
Method: Permeabilized human T cells (5×10^5) were incubated on ice for 30 min in 50 μ l FACS buffer (PBS, 5% Fetal calf serum, 0.02% azide) containing 1 μ g of FITC- labelled ab17929 antibody. After washing in FACS buffer, cells were analyzed by flow cytometry.



Immunocytochemistry/ Immunofluorescence - Anti-Granzyme B antibody [B18.1.] (FITC) (ab17929)

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 -20oC for 5 min, then in acetone at -20oC for 30 sec. After 3 washes in PBS, 0.1% BSA, slides were incubated for 1 hr at room temperature (RT) with 20 µg/ml of the non-conjugated form of ab17929 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.



Detection of recombinant granzyme B.
Granzyme B migrates as a 27 kDa species.

Lane 1: 40 mg of lysate
Lane 2: 4 mg of lysate
Lane 3: 0.4 mg of lysate

Method: Recombinant granzyme B was resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and probed with the monoclonal anti-granzyme B non-conjugated form of antibody ab17929 at 1 µg/ml. Proteins were visualized using a peroxidase-conjugated antibody to mouse IgG (SBA) and a chemiluminescence detection system.

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Method: Recombinant granzyme B was resolved by SDS-PAGE under reducing conditions, transferred to nitrocellulose and probed with the monoclonal anti-granzyme B non-conjugated form of antibody ab17929 at 1 µg/ml. Proteins were visualized using a peroxidase-

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