

PE/Cyanine 7 Anti-Human Granzyme B Antibody[QA18A28]

Catalog Number: AN00961H

Note: Centrifuge before opening to ensure complete recovery of vial contents.

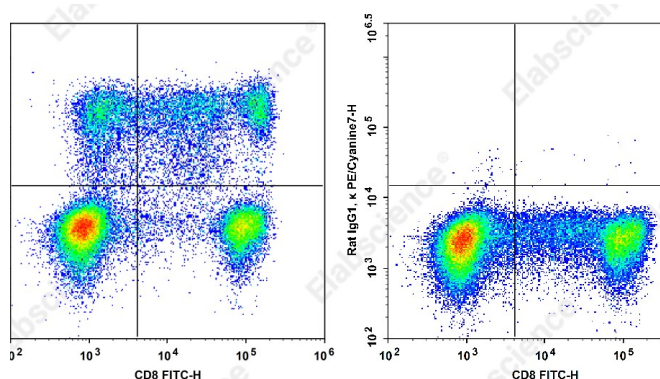
Description

Reactivity	Human
Host	Rat
Isotype	Rat IgG1, κ
Clone No.	QA18A28
Isotype Control	PE/Cyanine7 Rat IgG1, κ Isotype Control[HRPN] [Product E-AB-F09822H]
Conjugation	PE/Cyanine 7
Conjugation Information	PE/Cyanine 7 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm (e.g., a 780/60 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications

Applications	Recommended usage
FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal human peripheral blood mononuclear cells with FITC Anti-Human CD8 Antibody and intracellularly stained with PE/Cyanine 7 Anti-Human/Mouse Granzyme B Antibody[QA18A28] (left) or PE/Cyanine 7 Rat IgG1, κ Isotype Control (right).

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	Granzyme 2;cytotoxic T-lymphocyte-associated serine esterase 1;GZMB;CCP1;Asp-aseGranzyme 2;cytotoxic T-lymphocyte-associated serine esterase 1;GZMB;CCP1;Asp-ase
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Rev. V1.2

Uniprot ID

O95155

Gene ID

3002

Background

Granzyme B is a 32 kD serine protease, also known as granzyme-2, serine protease B, CCP1, Asp-ase, and CTLA-1. Granzyme B is abundantly stored in the granules of cytotoxic T lymphocytes and NK cells. Low level of expression has been reported in granulocytes, B cells, and activated dendritic cells. Granzyme B is crucial for rapid induction of cell death and apoptosis through interaction with mannose-6-phosphate receptor.