



Datasheet for ABIN7505978

anti-GZMA antibody



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2 Images

Overview

Quantity:	0.1 mg
Target:	GZMA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GZMA antibody is un-conjugated
Application:	Immunoprecipitation (IP), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Hu Granzyme A Purified
Immunogen:	Full length human granzyme A
Clone:	CB9
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal CB9 recognizes granzyme A, a 28 kDa serine protease expressed intracellularly in activated Tc cells and NK cells.
Purification:	Purified by protein-A affinity chromatography.

Target Details

Target:	GZMA
Alternative Name:	Granzyme A (GZMA Products)

Target Details

Background: Granzyme A, Granzyme A is a serine protease expressed in the cytoplasmic granules of T cells and NK cells. Vectorial secretion of perforin and granzymes is responsible for their granule-mediated cytotoxicity. Similarly to granzyme B, granzyme A acts to destroy the target cells by proteolysis of their particular components. In case of granzyme A the targets are e.g. APEX1 (it destroys its oxidative repair activity), and nucleosome assembly protein SET (it disrupts its nucleosome assembly activity and allows the SET complex to translocate into the nucleus to nick and degrade the DNA), HFSP, CTLA3, GrA

Gene ID: 3001

UniProt: [P12544](#)

Pathways: [Apoptosis](#)

Application Details

Application Notes: Flow cytometry: Recommended dilution: 5-10 µg/mL, intracellular staining.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

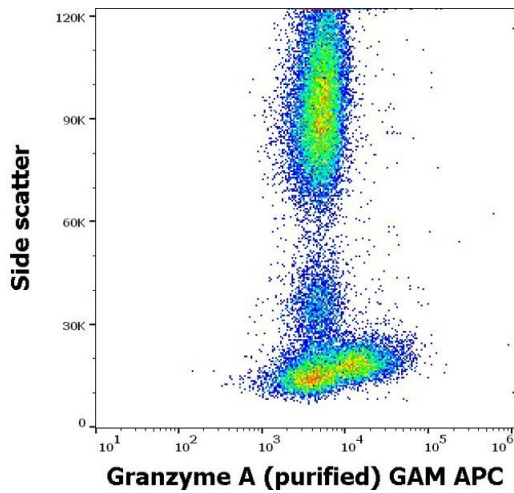
Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Preservative: Sodium azide

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

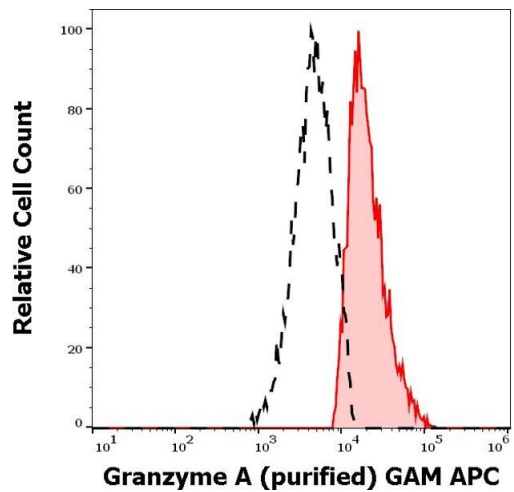
Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry intracellular staining pattern of human peripheral whole blood stained using anti-human Granzyme A (CB9) purified antibody (concentration in sample 5,0 µg/mL, GAM APC).



Flow Cytometry

Image 2. Separation of human Granzyme A positive NK cells (red-filled) from Granzyme A negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of human peripheral whole blood stained using anti-human Granzyme A (CB9) purified antibody (concentration in sample 5,0 µg/mL, GAM APC).