Datasheet for ABIN108719

anti-GZMB antibody

5 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	GZMB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Cell-ELISA (cELISA)

Product Details

Immunogen:	genetic immunisation with cDNA encoding human Granzyme B
Clone:	GM-4C1
Isotype:	IgG1
Specificity:	GM4C1 recognises granzyme B transiently expressed on the cell surface of transfected BOSC cells as well as the native protein in peripheral blood mononuclear cells. The antibody does not cross-react with the human granzymes A, K or M (Fi
Purification:	Protein G

Target Details

Target:	GZMB
Alternative Name:	Granzyme B (GZMB Products)

Target Details

Background:	Granzymes are exogenous serine proteases that are stored in the cytotoxic granules of activated T cells and NK cells. GM4C1 was generated by genetic immunisation and reacts with human granzyme B (GrB), a 27 kDa serine protease which cleaves target-cell proteins at specific aspartate residues.
UniProt:	P10144
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

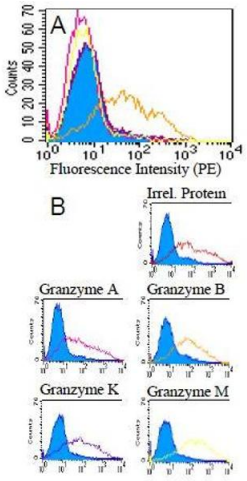
Application Details

Application Notes:	Flow cytometry: 1.2 µg/10^6 cells ELISA: 1:200 - 1:400 CELISA: 1:200 - 1:400 For each application a titration should be performed to determine the optimal concentration.
Restrictions:	For Research Use only

Handling

Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C
Storage Comment:	short term: 2 °C - 8 °C, long term: -20 °C

Images



Flow Cytometry

Image 1. Specificity testing of GM4C1. BOSC cells were transiently transfected with expression vectors for granzyme A, B, K and M as well as an irrelevant protein. Expression of the constructs was tested with an anti-tag monoclonal antibody (B, open curves)

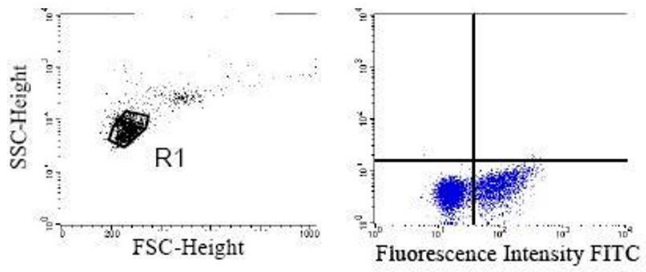
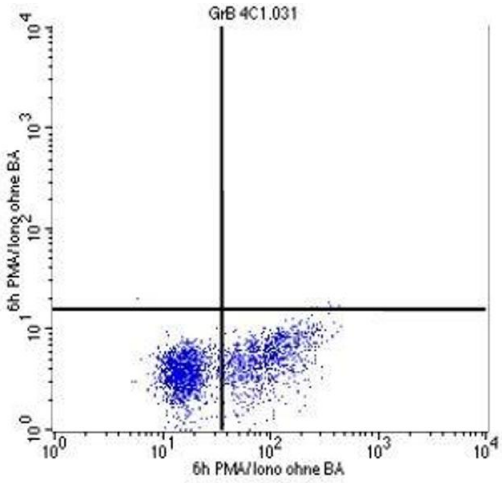


Image 2. Intracellular detection of granzyme B in human PBMC Mononuclear cells from peripheral blood (PBMC) were seperated by Ficoll-Hypaque, cultivated for 6h in the presence of phorbolester and ionomycin, fixed and permeabilised. Cells were incubated with hybr



Flow Cytometry

Image 3. Intracellular detection of granzyme B in human PBMC by FACS analysis using C1. PBMC were cultivated in the presence of phorbolester and ionomycin subsequently fixed and permeabilised. Binding of C1 was detected with a FITC-conjugated secondary antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN108719.