Datasheet for ABIN119565

anti-GZMB antibody

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Overview

Quantity:	0.1 mg
Target:	GZMB
Reactivity:	Human, Monkey, Chimpanzee
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GZMB antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Purified human Granzyme B. Remarks: Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Clone:	GB11
Isotype:	IgG1
Specificity:	This antibody recognises the serine protease Granzyme B. This antibody has been reported to function as a Capture reagent in ELISA assays for soluble Granzyme B in conjunction with biotin conjugated clone GB10 (SM1805B) as detection reagent.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	GZMB

Target Details

Abstract:	GZMB Products
Background:	Ganzyme B is important in the induction of apoptosis in target cells by cytolytic lymphocytes (CTLs). Granzyme B plays a key role in the induction of apoptosis by CTLs. After delivery to the target cell, Granzyme B activates the cascade of caspases that finally results in cell death.Synonyms: CGL1, CSPB, CTLA-1, CTLA1, CTSGL1, Cathepsin G-like 1, Cytotoxic T-lymphocyte proteinase 2, Fragmentin-2, GRB, Granzyme-2, Lymphocyte protease, SECT, T-cell serine protease 1-3E
Gene ID:	3002
NCBI Accession:	NP_004122
UniProt:	P10144
Pathways:	Apoptosis, Caspase Cascade in Apoptosis

Application Details

Application Notes:	Immunohistochemistry on frozen sections. Flow cytometry: 1/10 - 1/100, Use 10 µL of the suggested working dilution to label 10^6 cells or 100 µL whole blood, Membrane permeabilisation is required for this application. Immunoprecipitation. ELISA: 2 µg/mL - 5 µg/mL. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Tris buffered saline containing 0.09 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.