

Datasheet: MCA2119B

BATCH NUMBER 170929

Description:	MOUSE ANTI GRANZYME B:Biotin
Specificity:	GRANZYME B
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	GB10
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1ug/ml
Western Blotting			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Reacts with: Chimpanzee, Monkey, Rhesus Monkey
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution	TRIS buffered saline.
Preservative Stabilisers	0.001% Thiomersal, 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Purified human Granzyme B.
External Database Links	<p>UniProt: P10144 Related reagents</p> <p>Entrez Gene: 3002 GZMB Related reagents</p>
Synonyms	CGL1, CSPB, CTLA1, GRB
RRID	AB_2263754
Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	<p>Mouse anti Human granzyme B antibody, clone GB10 recognizes the serine protease Granzyme B, which is expressed within the granules of cytolytic lymphocytes (CTLs).</p> <p>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.</p>
ELISA	Mouse anti Human granzyme B antibody, clone GB10 has been reported to function as a detection reagent in sandwich ELISA assays for soluble Granzyme B in conjunction with Mouse anti Human granzyme B antibody, clone GB11 (MCA2120) used as a capture reagent.
References	<ol style="list-style-type: none"> Spaeny-Dekking, E.H. <i>et al.</i> (1998) Extracellular granzymes A and B in humans: detection of native species during CTL responses <i>in vitro</i> and <i>in vivo</i>. J Immunol. 160 (7): 3610-6. Rong, J. <i>et al.</i> (2004) Isolation and characterization of novel single-chain Fv specific for human granzyme B. Hybrid Hybridomics. 23 (4): 219-31.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10098 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA2119B>
10098

Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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