### Datasheet: MCA2119B

<table>
<thead>
<tr>
<th>Description</th>
<th>MOUSE ANTI GRANZYME B:Biotin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td>GRANZYME B</td>
</tr>
<tr>
<td>Format</td>
<td>Biotin</td>
</tr>
<tr>
<td>Product Type</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone</td>
<td>GB10</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity</td>
<td>0.1 mg</td>
</tr>
</tbody>
</table>

### 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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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</tr>
<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td>1μg/ml</td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
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</tr>
</tbody>
</table>

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.

**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**

UniProt:
Fusion Partners
Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.

Specificity
Mouse anti Human granzyme B antibody, clone GB10 recognizes the serine protease Granzyme B, which is expressed within the granules of 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.

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

Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

Guarantee
12 months from date of despatch

Health And Safety
Material Safety Datasheet documentation #10098 available at:

Regulatory
For research purposes only