Datasheet: MCA775

BATCH NUMBER 152870

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI RAT CD18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>CD18</td>
</tr>
<tr>
<td>Other names:</td>
<td>INTEGRIN BETA 2 CHAIN</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>WT.3</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG1</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

**Product Details**

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>
<td></td>
<td></td>
<td></td>
<td>1/10 - 1/50</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
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<td></td>
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</tr>
<tr>
<td>ELISA</td>
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</tr>
<tr>
<td>Immunoprecipitation</td>
<td>✔</td>
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</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

<table>
<thead>
<tr>
<th>Target Species</th>
<th>Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Form</td>
<td>Purified IgG - liquid</td>
</tr>
<tr>
<td>Preparation</td>
<td>Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant</td>
</tr>
<tr>
<td>Buffer Solution</td>
<td>Phosphate buffered saline</td>
</tr>
<tr>
<td>Preservative Stabilisers</td>
<td>0.09% Sodium Azide</td>
</tr>
</tbody>
</table>
Approx. Protein Concentrations

IgG concentration 1 mg/ml

Immunogen

FTL-43.

RRID

AB_2128469

Fusion Partners

Lymph node cells from an immunized BALB/c mouse were fused with cells of the PAI mouse myeloma cell line.

Specificity

**Mouse anti Rat CD18 antibody, clone WT.3** reacts with the rat beta 2 integrin, which is designated CD18. The beta 2 integrin may be associated with the integrin alphaL, alphaX or alphaM subunits. CD18 is expressed by all leucocytes.

Mouse anti Rat CD18 antibody has been shown to inhibit homotypic aggregation of PHA blasts. It also blocks binding of rat lymphocytes to purified rat ICAM-1.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

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 Information

Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA775

Regulatory

For research purposes only

Recommended Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) RPE
Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR76...) RPE
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR9...) FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA1209)