Datasheet: MCA775PE

Description: MOUSE ANTI RAT CD18:RPE
Specificity: CD18
Other names: INTEGRIN BETA 2 CHAIN
Format: RPE
Product Type: Monoclonal Antibody
Clone: WT.3
Isotype: IgG1
Quantity: 100 TESTS

Product Details

Applications

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>Yes</td>
<td>Neat</td>
<td></td>
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</table>

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.

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.

Target Species: Rat

Product Form: Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution: Reconstitute with 1 ml distilled water

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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</tbody>
</table>

Preparation: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers:

- 0.09% Sodium Azide
- 1% Bovine Serum Albumin
- 5% Sucrose

Immunogen: FTL-43.

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**

Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

12 months from date of reconstitution.

**Health And Safety Information**

Material Safety Datasheet documentation #10075 available at:


**Regulatory**

For research purposes only