Datasheet: MCA643PE

Product Details

| Description: | MOUSE ANTI RAT CD44:RPE |
| Specificity: | CD44 |
| Other names: | H-CAM, PGP-1 |
| Format: | RPE |
| Product Type: | Monoclonal Antibody |
| Clone: | OX-50 |
| Isotype: | IgG1 |
| Quantity: | 100 TESTS |

RRID AB_321723

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.

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

Rat T cell blasts.

External Database

UniProt:
Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS0/1 myeloma cell line.

Specificity

Mouse anti Rat CD44 antibody, clone OX-50 recognizes the rat CD44 cell surface antigen, also known as Extracellular matrix receptor III, P90 lymphocyte homing/adhesion receptor, HUTCH-I, Hermes antigen, Hyaluronate receptor, Phagocytic glycoprotein 1, PGP-1 or Phagocytic glycoprotein I.

CD44 is a 482 amino acid ~85 kDa single pass type I transmembrane glycoprotein, expressed by T cells, B cells, macrophages and thymocytes, with expression being increased following activation.

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.

Guarantee
12 months from date of reconstitution.

Health And Safety Information

Regulatory
For research purposes only

Related Products
Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL: RPE (MCA1209PE)

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