Datasheet: MCA88PB

Description: MOUSE ANTI HUMAN CD45RA:Pacific Blue®

Specificity: CD45RA

Format: Pacific Blue®

Product Type: Monoclonal Antibody

Clone: F8-11-13

Isotype: IgG1

Quantity: 100 TESTS/1ml

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.

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
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<td></td>
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<td>Neat - 1/10</td>
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Flow Cytometry

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: Rhesus Monkey

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG conjugated to Pacific Blue® - liquid

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>Pacific Blue®</td>
<td>410</td>
<td>455</td>
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</table>

Preparation

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

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

Immunogen

Human T lymphocytes

External Database Links

UniProt:
Spleen cells from immunised BALB/c mouse were fused with cells of the NS-1 mouse myeloma cell line.

Mouse anti Human CD45RA antibody, clone F8-11-13 recognizes the human CD45RA cell surface antigen.

CD45 is a complex molecule existing in a number of isoforms. Antibodies recognising a common epitope on all of these isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc.

Mouse anti Human CD45RA antibody, clone F8-11-13 reacts with the high molecular weight form of the leucocyte common antigen (LCA) expressed by B lymphocytes and a subset of T lymphocytes.

Mouse anti Human CD45RA antibody, clone F8-11-13 is routinely tested in flow cytometry on human peripheral blood lymphocytes.

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. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch

Acknowledgements

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Health And Safety Information
Material Safety Datasheet documentation #10041 available at:

Regulatory
For research purposes only

Related Products

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL: Pacific Blue® (MCA928PB)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

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