Datasheet: MCA88PE

**Description:** MOUSE ANTI HUMAN CD45RA:RPE

**Specificity:** CD45RA

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** F8-11-13

**Isotype:** IgG1

**Quantity:** 100 TESTS

**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>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>-</td>
<td></td>
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<td>Neat</td>
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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 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**
Human T lymphocytes

**External Database Links**
UniProt:
Synonyms
CD45

Fusion Partners
Spleen cells from immunised BALB/c mouse were fused with cells of the NS-1 mouse myeloma cell line

Specificity
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 or 100ul whole blood

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
6 months from date of reconstitution

Health And Safety Information
Related Products

**Recommended Negative Controls**

MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)