Datasheet: MCA1114F

**Description:** MOUSE ANTI HUMAN CD45RB:FITC

**Specificity:** CD45RB

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** MEM-55

**Isotype:** IgG1

**Quantity:** 0.1 mg

**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>
<td></td>
<td></td>
</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.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rhesus Monkey, Monkey  
Does not react with: Horse, Goat, Llama  
**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form**

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid.

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
</tr>
</tbody>
</table>

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A.

**Buffer Solution**

Phosphate buffered saline
Preservative Stabilisers
0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations
IgG concentration 0.1 mg/ml

External Database Links
UniProt: P08575 Related reagents
Entrez Gene: 5788 PTPRC Related reagents

Synonyms
CD45

RRID
AB_324191

Specificity
Mouse anti Human CD45RB antibody, clone MEM-55 recognizes the isoform of the leucocyte common antigen encoded by exon B and stains B cells, most T cells and monocytes.

Mouse anti Human CD45RB antibody, clone MEM-55 immunoprecipitates bands of 190, 200 and 205 kDa.

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.

<table>
<thead>
<tr>
<th>Guarantee</th>
<th>12 months from date of despatch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
</tbody>
</table>

### Related Products

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

**Recommended Useful Reagents**

- HUMAN SEROBLOCK (BUF070A)
- HUMAN SEROBLOCK (BUF070B)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets 'M364799:200529'](https://www.bio-rad-antibodies.com/datasheets 'M364799:200529')

**Printed on 22 Mar 2021**

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)