

## Datasheet: MCA1114APC

**BATCH NUMBER 149605**

<b>Description:</b>	MOUSE ANTI HUMAN CD45RB:APC
<b>Specificity:</b>	CD45RB
<b>Format:</b>	APC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MEM-55
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS

### 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat

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 Allophycocyanin (APC) - lyophilised

#### Reconstitution

Reconstitute with 1ml distilled water

#### Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
APC	650	661

#### Preparation

Purified IgG prepared by affinity chromatography on Protein A from ascites

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin 5% Sucrose
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P08575</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">5788</a>    PTPRC    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CD45
<b>RRID</b>	AB_1125266
<b>Specificity</b>	<p><b>Mouse anti Human CD45RB antibody, clone MEM-55</b> recognizes the isoform of the leucocyte common antigen encoded by exon B and stains B cells, most T cells and monocytes.</p> <p>Mouse anti Human CD45RB antibody, clone MEM-55 immunoprecipitates bands of 190, 200 and 205 kDa.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>Davis, W.C. <i>et al.</i> (2007) Use of flow cytometry to identify monoclonal antibodies that recognize conserved epitopes on orthologous leukocyte differentiation antigens in goats, llamas, and rabbits. <a href="#">Vet Immunol Immunopathol. 119: 123-30.</a></li> <li>Ibrahim, S. <i>et al.</i> (2007) Screening of anti-human leukocyte monoclonal antibodies for reactivity with equine leukocytes. <a href="#">Vet Immunol Immunopathol. 119: 63-80.</a></li> <li>Windhagen, A. <i>et al.</i> (2007) Altered CD45 isoform expression in C77G carriers influences cytokine responsiveness and adhesion properties of T cells. <a href="#">Clin Exp Immunol. 150: 509-17.</a></li> <li>Blaylock, M.G. <i>et al.</i> (2003) Eosinophils from patients with asthma express higher levels of the pan-leucocyte receptor CD45 and the isoform CD45RO. <a href="#">Clin Exp Allergy. 33: 936-41.</a></li> <li>Khan, A.A. <i>et al.</i> (2015) Therapeutic Immunization with a Mixture of Herpes Simplex Virus Type 1 Glycoprotein D Derived "Asymptomatic" Human CD8+ T-cell Epitopes Decreases Spontaneous Ocular Shedding in Latently Infected HLA Transgenic Rabbits: Association with Low Frequency of Local PD-1+TIM-3+CD8+ Exhausted T Cells. <a href="#">J Virol. pii: JVI.00788-15.</a></li> <li>Ponchel, F. <i>et al.</i> (2014) An immunological biomarker to predict MTX response in early RA. <a href="#">Ann Rheum Dis. 73 (11): 2047-53.</a></li> <li>Hunt, L. <i>et al.</i> (2016) T cell subsets: an immunological biomarker to predict progression to clinical arthritis in ACPA-positive individuals. <a href="#">Ann Rheum Dis. 75 (10): 1884-9.</a></li> </ol>
<b>Storage</b>	Prior to reconstitution store at +4°C.

After 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.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1114APC">https://www.bio-rad-antibodies.com/SDS/MCA1114APC</a> 20487
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:APC \(MCA928APC\)](#)

### Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M375270:210104'

Printed on 19 Jan 2024