

## Datasheet: MCA6054PE

<b>Description:</b>	RAT ANTI MOUSE CD73:RPE
<b>Specificity:</b>	CD73
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	TY/11.8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	100 TESTS/0.5ml

## 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	■			1/8 - 1/20

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.

<b>Target Species</b>	Mouse						
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid						
<b>Max Ex/Em</b>	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
<b>Preparation</b>	Purified IgG prepared by affinity chromatography						
<b>Buffer Solution</b>	Phosphate buffered saline						
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )						
<b>Immunogen</b>	CHO cells transfected with mouse CD73						
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q61503</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">23959</a>   Nt5e   <a href="#">Related reagents</a></p>						
<b>Synonyms</b>	Nt5, Nte						

<b>Specificity</b>	<b>Rat anti Mouse CD73 antibody, clone TY/11.8</b> recognizes CD73 also known as ecto-5' -nucleotidase. CD73 is a ~69 kDa GPI anchored surface protein. CD73, in combination with CD39, catalyzes the conversion of purine 5' mononucleotides to nucleosides. CD73 was initially defined as a marker of regulatory T cells ( <a href="#">Schuler <i>et al.</i> 2011</a> ).
<b>Flow Cytometry</b>	Use 10 µl of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul
<b>References</b>	1. Yoo, H.S. <i>et al.</i> (2013) Mesenchymal Stem Cell Lines Isolated by Different Isolation Methods Show Variations in the Regulation of Graft-versus-host Disease. <a href="#">Immune Netw. 13 (4): 133-40.</a>
<b>Further Reading</b>	1. Schuler PJ <i>et al.</i> (2011) Separation of human CD4+CD39+ T cells by magnetic beads reveals two phenotypically and functionally different subsets. <a href="#">J Immunol Methods. 369 (1-2): 59-68.</a>
<b>Storage</b>	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.
<b>Shelf Life</b>	18 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation available at: Material Safety Datasheet documentation #10040 available at <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

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