

Datasheet: MCA6054PE

Description:	RAT ANTI MOUSE CD73:RPE
Specificity:	CD73
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	TY/11.8
Isotype:	IgG1
Quantity:	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.

	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.

Target Species	Mouse		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)		
Immunogen	CHO cells transfected with mouse CD73		
External Database Links	UniProt: Q61503 Related reagents		

Entrez Gene:

[23959](#) Nt5e [Related reagents](#)

Synonyms	Nt5, Nte
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Specificity	Rat anti Mouse CD73 antibody, clone TY/11.8 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 (Schuler <i>et al.</i> 2011).
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Flow Cytometry	Use 10 µl of the suggested working dilution to label 1x10 ⁶ cells in 100ul
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References	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. Immune Netw. 13 (4): 133-40.
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Further Reading	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. J Immunol Methods. 369 (1-2): 59-68.
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Storage	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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Guarantee	Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6054PE 10040
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Regulatory	For research purposes only
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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://www.bio-rad-antibodies.com/datasheets)

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