

## Datasheet: MCA2674PE

<b>Description:</b>	HAMSTER ANTI HUMAN EMR1:RPE
<b>Specificity:</b>	EMR1
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	A10
<b>Isotype:</b>	IgG
<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 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>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute with 1.0ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	RPE 488nm laser	496	578
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	1%	Bovine Serum Albumin	
	5%	Sucrose	

<b>Immunogen</b>	Fibroblast cell line ARH102 expressing CD97-EMR1 (EGF1-6)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q14246</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2015</a>    EMR1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TM7LN3
<b>RRID</b>	AB_10852232
<b>Fusion Partners</b>	Spleen cells from immunized Armenian hamster were fused with cells of the mouse SP2/0 myeloma cell line.
<b>Specificity</b>	<b>Hamster anti Human EMR1 antibody, clone A10</b> recognizes human EMR1 (EGF-like module containing, mucin-like, hormone receptor-like 1). EMR1 is a seven-span transmembrane protein which is a member of the EGF-TM7 family of receptors. EMR1 is the human ortholog of murine F4/80 but unlike F4/80, the expression of EMR1 in humans is restricted to eosinophils and is not expressed on macrophage populations. The detailed structure and function of EMR1 is still unknown.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>1. van Eijk, M. <i>et al.</i> (2010) Differential expression of the EGF-TM7 family members CD97 and EMR2 in lipid-laden macrophages in atherosclerosis, multiple sclerosis and Gaucher disease. <a href="#">Immunol Lett. 129 (2): 64-71.</a></li> <li>2. Pothoven, K.L. <i>et al.</i> (2017) Neutrophils are a major source of the epithelial barrier disrupting cytokine oncostatin M in patients with mucosal airways disease. <a href="#">J Allergy Clin Immunol. 139 (6): 1966-78.e9.</a></li> <li>3. Fuchs, A. <i>et al.</i> (2021) Associations Among Adipose Tissue Immunology, Inflammation, Exosomes and Insulin Sensitivity in People With Obesity and Nonalcoholic Fatty Liver Disease. <a href="#">Gastroenterology. 161 (3): 968-981.e12.</a></li> <li>4. Hernandez, J.D. <i>et al.</i> (2020) A FACS-based approach to obtain viable eosinophils from human adipose tissue. <a href="#">Sci Rep. 10 (1): 13210.</a></li> </ol>
<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>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2674PE">https://www.bio-rad-antibodies.com/SDS/MCA2674PE</a> 20487
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Negative Controls

[HAMSTER \(ARMENIAN\) IgG NEGATIVE CONTROL:RPE \(MCA2356PE\)](#)

### 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)

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