

## Datasheet: MCA1948PET

<b>Description:</b>	MOUSE ANTI HUMAN CD49c:RPE
<b>Specificity:</b>	CD49c
<b>Other names:</b>	INTEGRIN ALPHA 3 CHAIN, VLA-3
<b>Format:</b>	RPE
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	17C6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	25 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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
<b>Reconstitution</b>	Reconstitute in 0.25 ml 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 A		
<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>	CD49c transfected cell line.		
<b>External Database Links</b>	<b>UniProt:</b>		
	<a href="https://www.uniprot.org/entry/P26006">P26006</a>	<a href="#">Related reagents</a>	

**Entrez Gene:**[3675](#) ITGA3 [Related reagents](#)

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<b>Synonyms</b>	MSK18
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<b>Fusion Partners</b>	Cells from immunised Balb/c mice were fused with cells of the NS2 mouse myeloma cell line.
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<b>Specificity</b>	<p><b>Mouse anti Human CD49c antibody, clone 17C6</b> recognizes CD49c, a ~150 kDa cell surface antigen which is also known as the alpha-3 integrin and as VLA-3. CD49c is very weakly expressed on peripheral blood leucocytes and is not found on platelets. Epithelial cells and endothelial cells express significant levels of CD49c.</p> <p>Mouse anti Human CD49c antibody, clone 17C6 is routinely tested by flow cytometry on A431 epithelial cell line.</p>
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<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
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<b>References</b>	<ol style="list-style-type: none"><li>1. Nussbaum, G. <i>et al.</i> (2006) Peptide p277 of HSP60 signals T cells: inhibition of inflammatory chemotaxis. <a href="#">Int Immunol. 18: 1413-9.</a></li><li>2. Steinberg, F. <i>et al.</i> (2012) SNX17 protects integrins from degradation by sorting between lysosomal and recycling pathways. <a href="#">J Cell Biol. 197 (2): 219-30.</a></li><li>3. Zanin-Zhorov, A. <i>et al.</i> (2003) T cells respond to heat shock protein 60 via TLR2: activation of adhesion and inhibition of chemokine receptors. <a href="#">FASEB J. 17: 1567-9.</a></li></ol>
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<b>Storage</b>	<p>Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.</p> <p>DO NOT FREEZE.</p> <p>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.</p>
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<b>Shelf Life</b>	12 months from date of reconstitution.
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10075 available at: 10075: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</a>
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA928PE\)](#)

### Recommended Useful Reagents

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

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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