

## Datasheet: MCA1948F

**BATCH NUMBER 164447**

<b>Description:</b>	MOUSE ANTI HUMAN CD49c:FITC
<b>Specificity:</b>	CD49c
<b>Other names:</b>	INTEGRIN ALPHA 3 CHAIN, VLA-3
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	17C6
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## 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	▪			

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
<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		
<b>Approx. Protein</b>	IgG concentration 0.1mg/ml		

## Concentrations

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**Immunogen** CD49c transfected cell line.

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## External Database Links

**UniProt:**

[P26006](#)    [Related reagents](#)

**Entrez Gene:**

[3675](#) ITGA3    [Related reagents](#)

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**Synonyms** MSK18

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**RRID** AB\_322293

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**Fusion Partners** Cells from immunized Balb/c mice were fused with cells of the NS2 mouse myeloma cell line.

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**Specificity** **Mouse anti Human CD49c antibody, clone 17C6** 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.

Mouse anti Human CD49c antibody, clone 17C6 is routinely tested by flow cytometry on A431 epithelial cell line.

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**Flow Cytometry** Use 10µl of the suggested working dilution to label 10<sup>6</sup> cells in 100µl

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**References**

1. Nussbaum, G. *et al.* (2006) Peptide p277 of HSP60 signals T cells: inhibition of inflammatory chemotaxis. [Int Immunol. 18: 1413-9.](#)
2. Steinberg, F. *et al.* (2012) SNX17 protects integrins from degradation by sorting between lysosomal and recycling pathways. [J Cell Biol. 197 \(2\): 219-30.](#)

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**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1948F>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

### Recommended Useful Reagents

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

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

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'M412253:221110'

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