

Datasheet: MCA1948F

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

	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.

Target Species	Human		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin		
Approx. Protein Concentrations	IgG concentration 0.1mg/ml		

Immunogen	CD49c transfected cell line.
External Database Links	<p>UniProt: P26006 Related reagents</p> <p>Entrez Gene: 3675 ITGA3 Related reagents</p>
Synonyms	MSK18
RRID	AB_322293
Fusion Partners	Cells from immunized Balb/c mice were fused with cells of the NS2 mouse myeloma cell line.
Specificity	<p>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.</p> <p>Mouse anti Human CD49c antibody, clone 17C6 is routinely tested by flow cytometry on A431 epithelial cell line.</p>
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl
References	<ol style="list-style-type: none"> 1. Nussbaum, G. <i>et al.</i> (2006) Peptide p277 of HSP60 signals T cells: inhibition of inflammatory chemotaxis. Int Immunol. 18: 1413-9. 2. Steinberg, F. <i>et al.</i> (2012) SNX17 protects integrins from degradation by sorting between lysosomal and recycling pathways. J Cell Biol. 197 (2): 219-30.
Storage	<p>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.</p> <p>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.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1948F10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

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

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