

Datasheet: MCA1948PE

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

	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.

Target Species	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein A		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1%	Bovine Serum Albumin	
	5%	Sucrose	
Immunogen	CD49c transfected cell line.		
External Database Links	UniProt: P26006 Related reagents		

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

Synonyms	MSK18
Fusion Partners	Cells from immunised Balb/c mice were fused with cells of the NS2 mouse myeloma cell line.
Specificity	Mouse anti Human CD49c antibody, clone 17C6 recognizes CD49c, a 150kDa 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 cell line.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	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. 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. FASEB J. 17: 1567-9.
Storage	Prior to reconstitution store at +4°C. Following reconstitution 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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

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

Recommended Useful Reagents

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

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

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