

Datasheet: MCA5694PE

Description:	MOUSE ANTI HUMAN CD49c:RPE
Specificity:	CD49c
Other names:	INTEGRIN ALPHA 3 CHAIN, VLA-3
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	P1B5
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 1ml distilled water.
 Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578

Preparation
 Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution
 Phosphate buffered saline

Preservative
 0.09% Sodium Azide (NaN₃)

Stabilisers	1% Bovine Serum Albumin 5% Sucrose
Immunogen	Non-trypsinized HT-1080 cells.
External Database Links	<p>UniProt: P26006 Related reagents</p> <p>Entrez Gene: 3675 ITGA3 Related reagents</p>
Synonyms	MSK18
RRID	AB_11152599
Specificity	Mouse anti Human CD49c antibody, clone P1B5 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.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	1. Wayner, E.A. & Carter, W.G. (1987) Identification of multiple cell adhesion receptors for collagen and fibronectin in human fibrosarcoma cells possessing unique alpha and common beta subunits. J Cell Biol. 105 (4): 1873-84.
Storage	Prior to reconstitution store at +4°C. After 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.
Guarantee	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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15, 2021, we will no longer supply printed datasheets with our products.
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