

Datasheet: MCA6057PE

Description:	RAT ANTI MOUSE INTEGRIN ALPHA 4 BETA 7:RPE
Specificity:	INTEGRIN ALPHA 4 BETA 7
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	DATK32
Isotype:	IgG2a
Quantity:	100 TESTS/0.5ml

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	▪			1/2 - 1/10

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	Mouse						
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>RPE 488nm laser</td> <td>496</td> <td>578</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	RPE 488nm laser	496	578
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
RPE 488nm laser	496	578					
Preparation	Purified IgG prepared by affinity chromatography						
Buffer Solution	Phosphate buffered saline						
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)						
Immunogen	TK1 murine T cell lymphoma cells.						
External Database Links	<p>UniProt:</p> <p>Q00651 Related reagents</p> <p>P26011 Related reagents</p> <p>Entrez Gene:</p> <p>16401 Itga4 Related reagents</p> <p>16421 Itgb7 Related reagents</p>						

Fusion Partners	Spleen cells from immunized fischer rats were fused with cells from the murine SP2/0-Ag14 myeloma.
Specificity	Rat anti Mouse integrin alpha 4 beta 7 recognizes integrin alpha 4 beta 7 also known as LPAM-1 or lymphocyte Peyer's patch adhesion molecule. Integrin alpha 4 beta 7 is composed of (~150 kDa) alpha 4 and beta 7 (~130 kDa) components. Integrin alpha 4 beta 7 and its ligand MAdCAM-1 play a vital role in the homing of activated lymphocytes to gut associated lymphoid tissues. Integrin alpha 4 beta 7 expression is found on several cell types including lymphocytes, macrophages and eosinophils.
Flow Cytometry	Use 10 µl of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	1. Dolcetti, R. <i>et al.</i> (1997) Alpha 4 beta 7 integrin expression is associated with the leukemic evolution of human and murine T-cell lymphoblastic lymphomas. Am J Pathol. 150 (5): 1595-605.
Storage	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 despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE \(MCA1212PE\)](#)

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