

Datasheet: MCA6057GA

Description:	RAT ANTI MOUSE INTEGRIN ALPHA 4 BETA 7
Specificity:	INTEGRIN ALPHA 4 BETA 7
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	DATK32
Isotype:	IgG2a
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	▪			1/5 - 1/20

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
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. 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 Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®800

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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