

## Datasheet: MCA6057GA

<b>Description:</b>	RAT ANTI MOUSE INTEGRIN ALPHA 4 BETA 7
<b>Specificity:</b>	INTEGRIN ALPHA 4 BETA 7
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	DATK32
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Mouse
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	TK1 murine T cell lymphoma cells.
<b>External Database Links</b>	<b>UniProt:</b> <a href="https://www.uniprot.org/entry/Q00651">Q00651</a> <a href="#">Related reagents</a>

**Entrez Gene:**

[16401](#)   Itga4   [Related reagents](#)

[16421](#)   Itgb7   [Related reagents](#)

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**Fusion Partners**      Spleen cells from immunized fischer rats were fused with cells from the murine SP2/0-Ag14 myeloma.

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**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.

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**Flow Cytometry**      Use 10 µl of the suggested working dilution to label 1x10<sup>6</sup> cells in 100ul

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**References**            1. Dolcetti, R. *et al.* (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.](#)

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**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.

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**Guarantee**             12 months from date of despatch

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**Health And Safety Information**      Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**            For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight@800</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight@650</a> , <a href="#">DyLight@800</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>

### Recommended Negative Controls

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

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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](https://bio-rad-antibodies.com/datasheets)

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