

Datasheet: MCA6050GA

Description:	MOUSE ANTI PIG SWC5
Specificity:	SWC5
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	b37c10
Isotype:	IgG1
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	▪			1/10 - 1/200
Immunohistology - Frozen			▪	
Immunoprecipitation			▪	

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	Pig
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Porcine T cells
Specificity	<p>Mouse anti Pig SWC5 antibody, clone b37c10 recognizes the porcine SWC5 cell surface antigen. SWC5 has a molecular weight of 180 kDa and is expressed only on subset of γ/δ T cells.</p> <p>SWC5 and CD2 expression divides γ/δ T cells into three subpopulations: CD2-SWC5-, CD2-SWC5+ and CD2+SWC5- γ/δ T cells subsets. The vast majority of CD2-SWC5- and CD2-SWC5+ T cells are negative for CD8α and SLA-DR and positive for CD27. Only thymus and spleen has an extra CD2+SWC5+ population.</p>
References	<ol style="list-style-type: none"> Sedlak, C. <i>et al.</i> (2014) CD2 and CD8α define porcine γ/δ T cells with distinct cytokine production profiles. Dev Comp Immunol. 45 (1): 97-106. Schilloks, M.C. <i>et al.</i> (2023) Effects of GHR Deficiency and Juvenile Hypoglycemia on Immune Cells of a Porcine Model for Laron Syndrome. Biomolecules. 13 (4)Mar 26 [Epub ahead of print]. Giese, I.M. <i>et al.</i> (2020) Chronic Hyperglycemia Drives Functional Impairment of Lymphocytes in Diabetic INS(C94Y) Transgenic Pigs. Front Immunol. 11: 607473.
Further Reading	<ol style="list-style-type: none"> Binns, R.M. <i>et al.</i> (1992) Subsets of null and gamma delta T-cell receptor+ T lymphocytes in the blood of young pigs identified by specific monoclonal antibodies. Immunology. 77 (2): 219-27. Binns, R.M. (1994) The Null/gamma delta TCR+ T cell family in the pig. Vet Immunol Immunopathol. 43 (1-3): 69-77. Piriou-guzylack, L. & Salmon, H. (2008) Membrane markers of the immune cells in swine: an update. Vet Res. 39 (6): 54.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6050GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)

Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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
'M381464:210512'

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