

Datasheet: MCA564GA

BATCH NUMBER 159113

Description:	MOUSE ANTI GUINEA PIG T LYMPHOCYTES
Specificity:	T LYMPHOCYTES
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MsGp7
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	▪			1/50 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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	Guinea 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	Guinea Pig T Lymphocytes
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	Mouse anti Guinea Pig T Lymphocytes, clone MsGp7 , is pan reactive with guinea pig T lymphocytes (>95%) in lymph nodes, and does not react with B lymphocytes. It reacts with approximately 70% of thymocytes by FACS analysis and immunohistochemically the medullary thymocytes strongly express this antigen (Healey et al. 1988).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> 1. Healey, D.G. <i>et al.</i> (1988) Behaviour of guinea pig T cells stimulated by antigen, allo-antigen and mitogen. Int Arch Allergy Appl Immunol. 87 (2): 134-42. 2. Butter, C. <i>et al.</i> (1988) An immunoelectron microscopical study of the expression of class II MHC and a T lymphocyte surface marker during chronic relapsing experimental allergic encephalomyelitis. J Neuroimmunol. 20 (1): 45-51. 3. Cowley, S.A. <i>et al.</i> (1989) An immunoelectronmicroscopical study of the expression of major histocompatibility complex (MHC) class II antigens in guinea pig sciatic nerves following induction of intraneural mycobacterial granulomas. J Neuroimmunol. 23 (3): 223-31. 4. Sato H <i>et al.</i> (1997) Production of murine monoclonal antibodies to guinea pig leukocytes and immunohistochemistry of guinea pig skin exposed to <i>Schistosoma mansoni</i>. Hybridoma. 16 (6): 529-36. 5. Kaufmann, E. <i>et al.</i> (2016) BCG Vaccination Induces Robust CD4+ T Cell Responses to <i>Mycobacterium tuberculosis</i> Complex-Specific Lipopeptides in Guinea Pigs. J Immunol. 196 (6): 2723-32.
Further Reading	1. Schäfer H & Burger R (2012) Tools for cellular immunology and vaccine research the in the guinea pig: monoclonal antibodies to cell surface antigens and cell lines. Vaccine. 30 (40): 5804-11.
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/MCA564GA 10040

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , 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 (Fc) (STAR120...)	FITC , HRP

Recommended Useful Reagents

[MOUSE ANTI GUINEA PIG B CELL SUBSET \(MCA567\)](#)
[MOUSE ANTI GUINEA PIG MACROPHAGES \(MCA518S\)](#)
[MOUSE ANTI GUINEA PIG CD8:FITC \(MCA752F\)](#)

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