

Datasheet: MCA1130

**BATCH NUMBER 171165**

<b>Description:</b>	MOUSE ANTI GUINEA PIG CD45
<b>Specificity:</b>	CD45
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	IH-1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 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	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation	▪			
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Guinea Pig
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	<0.1% sodium azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1mg/ml

<b>Immunogen</b>	Guinea pig leukemic B lymphocyte L2C cells.
<b>RRID</b>	AB_321724
<b>Fusion Partners</b>	Spleen cells from immunized BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Guinea Pig CD45 antibody, clone IH-1</b> reacts with CD45 on all leucocytes.</p> <p>Mouse anti Guinea Pig CD45 antibody, clone IH-1 immunoprecipitates proteins of M.Wt. 220,000, 210,000 and 195,000 and 180,000 from lymph node lymphocytes and proteins of M.Wt 195,000, 180,000 and 170,000 from thymocytes.</p>
<b>References</b>	<ol style="list-style-type: none"> <li>Hart, I.J. <i>et al.</i> (1992) Subpopulations of guinea-pig T lymphocytes defined by isoforms of the leucocyte common antigen. <a href="#">Immunology. 77 (3): 377-84.</a></li> <li>Wang, Y. <i>et al.</i> (2010) Local host response to chlamydial urethral infection in male guinea pigs. <a href="#">Infect Immun. 78: 1670-81.</a></li> <li>Lacy, H.M. <i>et al.</i> (2011) Essential role for neutrophils in pathogenesis and adaptive immunity in <i>Chlamydia caviae</i> ocular infections. <a href="#">Infect Immun. 79 (5): 1889-97.</a></li> <li>Ishikawa, M. <i>et al.</i> (2017) Transplantation of neurons derived from human iPS cells cultured on collagen matrix into guinea-pig cochleae. <a href="#">J Tissue Eng Regen Med. 11 (6): 1766-78.</a></li> <li>Tura-Ceide, O. <i>et al.</i> (2017) Cigarette smoke challenges bone marrow mesenchymal stem cell capacities in guinea pig. <a href="#">Respir Res. 18 (1): 50.</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10057 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1130">https://www.bio-rad-antibodies.com/SDS/MCA1130</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">FITC</a>

### Recommended Negative Controls

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

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M410563:221028'

**Printed on 08 Apr 2026**

---

© 2026 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)