

## Datasheet: MCA1130F

**BATCH NUMBER 0214**

<b>Description:</b>	MOUSE ANTI GUINEA PIG CD45:FITC
<b>Specificity:</b>	CD45
<b>Other names:</b>	LCA
<b>Format:</b>	FITC
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	IH-1
<b>Isotype:</b>	IgG1
<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	▪			Neat - 1/10

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 conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A		
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide		
	1%	Bovine Serum Albumin	
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml		

<b>Immunogen</b>	Guinea pig leukemic B lymphocyte L2C cells.
<b>RRID</b>	AB_566763
<b>Fusion Partners</b>	Spleen cells from immunised 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>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul.
<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>Shang, S. <i>et al.</i> (2011) Activities of TMC207, rifampin, and pyrazinamide against <i>Mycobacterium tuberculosis</i> infection in guinea pigs. <a href="#">Antimicrob Agents Chemother. 55 (1): 124-31.</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>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> <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> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA1130F">https://www.bio-rad-antibodies.com/SDS/MCA1130F</a> 10041
<b>Regulatory</b>	For research purposes only

## Related Products

## Recommended Negative Controls

### MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

**North & South** Tel: +1 800 265 7376

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Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@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](https://bio-rad-antibodies.com/datasheets)  
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