

## Datasheet: MCA1130F

<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</b>	0.09% Sodium Azide		
<b>Stabilisers</b>	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>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.		
<b>Specificity</b>	<b>Mouse anti Guinea Pig CD45 antibody, clone IH-1</b> reacts with CD45 on all leucocytes.		

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.

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

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**References**

1. Hart, I.J. *et al.* (1992) Subpopulations of guinea-pig T lymphocytes defined by isoforms of the leucocyte common antigen. [Immunology. 77 \(3\): 377-84.](#)
2. Wang, Y. *et al.* (2010) Local host response to chlamydial urethral infection in male guinea pigs. [Infect Immun. 78: 1670-81.](#)
3. Shang, S. *et al.* (2011) Activities of TMC207, rifampin, and pyrazinamide against *Mycobacterium tuberculosis* infection in guinea pigs. [Antimicrob Agents Chemother. 55 \(1\): 124-31.](#)
4. Lacy, H.M. *et al.* (2011) Essential role for neutrophils in pathogenesis and adaptive immunity in *Chlamydia caviae* ocular infections. [Infect Immun. 79 \(5\): 1889-97.](#)
5. Tura-Ceide, O. *et al.* (2017) Cigarette smoke challenges bone marrow mesenchymal stem cell capacities in guinea pig. [Respir Res. 18 \(1\): 50.](#)
6. Ishikawa, M. *et al.* (2017) Transplantation of neurons derived from human iPS cells cultured on collagen matrix into guinea-pig cochleae. [J Tissue Eng Regen Med. 11 \(6\): 1766-78.](#)

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: 10041: <https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

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