

Datasheet: MCA1130F

Description:	MOUSE ANTI GUINEA PIG CD45:FITC
Specificity:	CD45
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	IH-1
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	▪			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.

Target Species	Guinea Pig		
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% sodium azide (NaN ₃)		
Stabilisers	1% bovine serum albumin		
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml		
Immunogen	Guinea pig leukemic B lymphocyte L2C cells.		

RRID AB_566763

Fusion Partners Spleen cells from immunized BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.

Specificity **Mouse anti Guinea Pig CD45 antibody, clone IH-1** 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.

Flow Cytometry Use 10µl of the suggested working dilution to label 10⁶ cells in 100µl

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. 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.](#)
4. 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.](#)
5. Tura-Ceide, O. *et al.* (2017) Cigarette smoke challenges bone marrow mesenchymal stem cell capacities in guinea pig. [Respir Res. 18 \(1\): 50.](#)

Storage 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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1130F>
10041

Regulatory For research purposes only

Related Products

Recommended Negative Controls

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

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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

'M410564:221028'

Printed on 19 Jan 2024

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