

Datasheet: MCA1130F

BATCH NUMBER 154728

Description:	MOUSE ANTI GUINEA PIG CD45:FITC
Specificity:	CD45
Other names:	LCA
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		
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		
	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 immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
Specificity	<p>Mouse anti Guinea Pig CD45 antibody, clone IH-1 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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> Hart, I.J. <i>et al.</i> (1992) Subpopulations of guinea-pig T lymphocytes defined by isoforms of the leucocyte common antigen. Immunology. 77 (3): 377-84. Wang, Y. <i>et al.</i> (2010) Local host response to chlamydial urethral infection in male guinea pigs. Infect Immun. 78: 1670-81. Shang, S. <i>et al.</i> (2011) Activities of TMC207, rifampin, and pyrazinamide against <i>Mycobacterium tuberculosis</i> infection in guinea pigs. Antimicrob Agents Chemother. 55 (1): 124-31. Lacy, H.M. <i>et al.</i> (2011) Essential role for neutrophils in pathogenesis and adaptive immunity in <i>Chlamydia caviae</i> ocular infections. Infect Immun. 79 (5): 1889-97. Tura-Ceide, O. <i>et al.</i> (2017) Cigarette smoke challenges bone marrow mesenchymal stem cell capacities in guinea pig. Respir Res. 18 (1): 50. Ishikawa, M. <i>et al.</i> (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.
Storage	<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>
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)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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