Datasheet: MCA752F

BATCH NUMBER 157520

Description:	MOUSE ANTI GUINEA PIG CD8:FITC
Specificity:	CD8
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	CT6
Isotype:	IgG1
Quantity:	100 TESTS

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
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. 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

IgG concentration 0.1 mg/ml

Concentrations	
Immunogen	Guinea pig peritoneal T-cells.
RRID	AB_321399
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 mouse myeloma cell line.
Specificity	**Mouse anti Guinea Pig CD8 antibody, clone CT6** reacts with guinea pig CD8 present on cytotoxic T-cells. CD8 comprises 2 subunits, alpha and beta and exists as either an alpha/alpha homodimer or an alpha/beta heterodimer. Sequence analysis suggests that guinea pig CD8 is more closely related to human than rat or mouse CD8 (Nagarajan *et al.* 2004).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul
References	1. Tan, B.T.G. *et al.* (1985) Production of monoclonal antibodies defining guinea pig T-cell surface markers and a strain 13 Ia-like antigen: the value of immunohistological screening. Hybridoma 4: 115-124. 2. Steerenberg, P.A. *et al.* (1991) Tumour rejection after transfer of line 10 immunity is mediated by two T-cell populations. Cancer Immunol. Immunother. 34: 103-110. 3. Steerenberg, P.A. *et al.* (1990) Tumour infiltrating leucocytes (tils) during progressive tumour growth and BCG - mediated tumour regression. Virchows Archiv Cell Pathol. 59: 185-194. 4. Baker, D. *et al.* (1987) Changes in lymphocyte subsets after treatment with cyclophosphamide and during the development of contact sensitivity in the guinea pig. Int J Immunopharmacol. 9 (2): 175-83. 5. Antoniou, A.V. *et al.* (1986) Immunocytochemical identification and quantitation of mononuclear cells in the meninges during the development of chronic relapsing experimental allergic encephalomyelitis (CREAE) in the guinea pig. Cell Immunol. 97 (2): 386-96. 6. Liversidge, J. *et al.* (1987) EAU in the guinea pig: inhibition of cell-mediated immunity and Ia antigen expression by cyclosporin A. Clin Exp Immunol. 69 (3): 591-600. 7. Liversidge, J. & Forrester, J.V. (1988) Experimental autoimmune uveitis (EAU): immunophenotypic analysis of inflammatory cells in chorio retinal lesions. Curr Eye Res. 7 (12): 1231-41. 8. Debout, C. *et al.* (1991) The Kurloff cell in estrogenized guinea pigs as a CT7+ 8BE6- CT6- MR-1- CT10- IgM- lymphocyte with natural killer activity. Nat Immun Cell Growth Regul. 10 (6): 327-35. 9. 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. 10. Lacy HM *et al.* (2011) Essential role for neutrophils in pathogenesis and adaptive immunity in Chlamydia caviae ocular infections. Infect Immun. 79 (5): 1889-97. 11. Komori, T. *et al.* (2011) A Microbial Glycolipid Functions as a New Class of Target Antigen for Delayed-type Hypersensitivity. J Biol Chem. 286: 16800-6. 12. Hiromatsu, K. *et al.* (2002) Induction of CD1-restricted immune responses in guinea

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Storage	Store at +4°C for one month or at -20°C for longer. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
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/MCA752F 10041

Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

North & South America	Tel: +1 800 265 7376 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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