

Datasheet: MCA1107EL

Description:	RAT ANTI MOUSE CD4:Low Endotoxin
Specificity:	CD4
Other names:	L3T4 ANTIGEN, LY-4
Format:	Low Endotoxin
Product Type:	Monoclonal Antibody
Clone:	YTS177.9
Isotype:	IgG2a
Quantity:	0.5 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	•			1/50 - 1/200
Immunohistology - Frozen				
Immunohistology - Paraffin			•	
ELISA			•	
Immunoprecipitation				
Western Blotting			•	
Functional Assays	-			

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	Mouse	
Product Form	Purified IgG - liquid	
Preparation	Purified IgG prepared by affinity chromatography on Protein C supernatant	G from tissue culture
Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	None present	

Carrier Free	Yes	
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml	
Immunogen	Mouse spleen cells.	
External Database Links	UniProt: P06332 Related reagents Entrez Gene: 12504 Cd4 Related reagents	
RRID	AB_808423	
Fusion Partners	Spleen cells from immunised DA rats were fused with cells of the cell line.	ne Y3/Ag1.2.3 rat myeloma
Specificity	Rat anti Mouse CD4 antibody, clone YTS177.9 reacts with the polymorphic epitope (Qin et al. 1990). Rat anti Mouse CD4 antibody, clone YTS177.9 reacts with CD4 transfectants (Cobbo Mouse CD4 antibody, clone YTS177.9 also blocks MHC-II deper vitro and in vivo and induces tolerance (Qin et al. 1990) and Co	body, Rat anti Mouse CD4 bld et al. 1990).Rat anti endant T-cell responses in
Flow Cytometry	Use 10µl of the suggested working dilution to label 10 ⁶ cells in ²	100μΙ
References	 Qin, S.X. et al. (1990) Induction of tolerance in peripheral T cantibodies. Eur J Immunol. 20 (12): 2737-45. Cobbold, S.P. et al. (1990) The induction of skin graft toleranch histocompatibility complex-mismatched or primed recipients: pri tolerized in the periphery with anti-CD4 and anti-CD8 antibodies 2747-55. Wise, M.P. et al. (1998) Linked suppression of skin graft reject indirect recognition. J Immunol. 161 (11): 5813-6. Daley, S.R. et al. (2007) A key role for TGF-beta signaling to acceptance of allografts. J Immunol. 179: 3648-54. Saunders, A. et al. (2009) Expression of GIMAP1, a GTPase associated protein family, is not up-regulated in malaria. Malar J. Agua-Doce, A. and Graca, L. (2011) Prevention of house dust airways disease in mice through immune tolerance. PLoS One. Carlring, J. et al. (2012) Conjugation of lymphoma idiotype to lymphoma vaccine immunogenicity and antitumor effects in mice 8. Kim, I. et al. (2017) Ibrutinib suppresses alloantibody responsallosensitization. Transpl Immunol. 45: 59-64. Szuster-Ciesielska, A. et al. (2019) Immunogenic Evaluation Antigen P0, P1, and P2 and Pentameric Protein Complex P0-(Pfalciparum in a Mouse Model. J Immunol Res. 2019: 9264217. 	ce in major imed T cells can be s. Eur J Immunol. 20 (12): etion can operate through T cells in the long-term of the immunity-J. 8: 53. et mite induced allergic 6: e22320. o CD40 antibody enhances e. Blood. 119 (9): 2056-65. eses in a mouse model of of Ribosomal P-Protein

Storage Store at -20°C only.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing

as this may denature the antibody. 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 #10162 available at:

https://www.bio-rad-antibodies.com/SDS/MCA1107EL

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Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...) FITC

Goat Anti Rat IgG (STAR73...) RPE

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) <u>DyLight®550</u>, <u>DyLight®650</u>, <u>DyLight®800</u>

Rabbit Anti Rat IgG (STAR21...) HRP

Rabbit Anti Rat IgG (STAR16...) <u>DyLight®800</u>
Goat Anti Rat IgG (STAR131...) <u>Alk. Phos., Biotin</u>

Rabbit Anti Rat IgG (STAR17...) <u>FITC</u>
Goat Anti Rat IgG (STAR72...) HRP

Recommended Negative Controls

RAT IgG2a NEGATIVE CONTROL:Low Endotoxin (MCA1212EL)

North & South Tel: +1 800 265 7376 Wo

America

Fax: +1 919 878 3751

Worldwide

Tel: +44 (0)1865 852 700

Europe

Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

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 'M408117:221010'

Printed on 19 Jan 2024

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