

Datasheet: MCA48A647 BATCH NUMBER 1710

Description:	MOUSE ANTI RAT CD8 ALPHA:Alexa Fluor® 647
Specificity:	CD8 ALPHA
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	OX-8
lsotype:	lgG1
Quantity:	100 TESTS/1ml

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 <u>www.bio-rad-antibodies.com/protocols</u> .				
		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry				Neat
	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	Rat				
Product Form	Purified IgG conjugated to Alexa Fluor® 647 - liquid				
Max Ex/Em	Fluorophore Alexa Fluor®647	Excitation Ma	ax (nm)	Emission Max (nm) 665	
Preparation	Purified IgG prepared supernatant	by affinity chro	omatogr	aphy on Protein A fron	n tissue culture
Buffer Solution	Phosphate buffered saline				
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin				
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml				

Immunogen	Rat thymocyte membrane glycoproteins.
External Database Links	UniProt: <u>P07725</u> <u>Related reagents</u>
	Entrez Gene: <u>24930</u> Cd8a <u>Related reagents</u>
RRID	AB_324902
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	Mouse anti Rat CD8α, clone MRC OX-8 , recognizes the rat CD8 alpha cell surface antigen, expressed by a subset of T lymphocytes, most thymocytes and the majority of NK cells.
	Mouse anti Rat CD8α, clone MRC OX-8 is suitable for use in <i>in vitro</i> blocking studies (<u>Popov <i>et al</i>.2001</u>).
	Mouse anti Rat CD8α, clone MRC OX-8 has been described reacting with paraffin- embedded material following PLP Fixation (periodate-lysine paraformaldehyde) (<u>Whiteland</u> <u>et al. 1995</u>).
	Mouse anti Rat CD8 α , clone MRC OX-8 is routinely tested in flow cytometry on rat splenocytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	
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	marker antigens for rat T lymphocytes: comparisons with mouse and human antigens. Eur
	<u>J Immunol. 13 (10): 855-8.</u>
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	after corneal transplantation in rats. Br J Ophthalmol. 87: 1515-22.
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	lymphocytes, draining lymph nodes and serum during the rejection phase in a fully
	allogeneic rat cornea transplant model. <u>Mol Vis. 2011 Feb 8;17:420-9.</u>
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	injection of microbial neuraminidase. Front Med (Lausanne). 2: 14.
	15. Nuccitelli R <i>et al.</i> (2015) Nanoelectroablation of Murine Tumors Triggers a
	CD8-Dependent Inhibition of Secondary Tumor Growth. PLoS One. 10 (7): e0134364.
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	experimental autoimmune neuritis rats. <u>Neurol Sci. 37 (2): 199-203.</u>
	17. Pamukcu, O. <i>et al.</i> (2016) Anti-inflammatory role of obestatin in autoimmune
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	leads to multiple sclerosis-like cortical demyelination and neurodegeneration. <u>Acta</u>
	Neuropathol Commun. 8 (1): 66.
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.
Guarantee	12 months from date of despatch
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies

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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA48A647 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 647 (MCA1209A647)

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-ra	d.com	Email: antibody_sales_uk@bio-ra	ad.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 'M368052:200529'

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