

Datasheet: MCA48PE

BATCH NUMBER 0315

Description:	MOUSE ANTI RAT CD8 ALPHA:RPE
Specificity:	CD8 ALPHA
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	OX-8
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 - 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. 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 R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1% Bovine Serum Albumin		
Immunogen	Rat thymocyte membrane glycoproteins.		

**External Database
Links**

UniProt:

[P07725](#) [Related reagents](#)

Entrez Gene:

[24930](#) Cd8a [Related reagents](#)

RRID AB_321480

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

Specificity **Mouse anti Rat CD8 α , 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 CD8 α , clone MRC OX-8 is suitable for use in *in vitro* blocking assays ([Popov *et al.* 2001](#)).

Mouse anti Rat CD8 α , clone MRC OX-8 reacts with paraffin-embedded material following PLP Fixation (periodate-lysine paraformaldehyde) ([Whiteland *et al.* 1995](#)).

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 10⁶ cells in 100ul

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Storage Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. 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 #20487 available at: <https://www.bio-rad-antibodies.com/SDS/MCA48PE>
20487

Regulatory For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:RPE \(MCA1209PE\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)

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