



Datasheet: MCA48P647

Description:	MOUSE ANTI RAT CD8 ALPHA:RPE-Alexa Fluor® 647
Specificity:	CD8 ALPHA
Format:	RPE-ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	OX-8
Isotype:	IgG1
Quantity:	100 TESTS/1ml

Product Details

RRID AB_871983

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

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) - Alexa Fluor® 647 - lyophilized

Reconstitution Reconstitute with 1.0 ml distilled water

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE-Alexa Fluor®647 488nm laser	496	667
	RPE-Alexa Fluor®647 561nm laser	546	667

Preparation Purified IgG prepared by ion exchange chromatography from tissue culture supernatant.

Buffer Solution Phosphate buffered saline

Preservative 0.09% Sodium Azide
Stabilisers 1% Bovine Serum Albumin
5% Sucrose

Immunogen Rat thymocyte membrane glycoproteins.

**External Database
Links**

UniProt:

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

Entrez Gene:

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

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.

Clone MRC OX-8 is suitable for use in *in vitro* blocking studies ([Popov et al.2001](#)).

Mouse anti Rat CD8 α , clone MRC OX-8 has been described reacting 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.

References

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Storage 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 reconstitution.

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10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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