

Datasheet: DC044

Description:	MOUSE ANTI RAT CD3:FITC/CD45RA:RPE
Specificity:	CD3/CD45RA
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	IF4/OX-33
Isotype:	Cocktail
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

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.

Antibody Isotypes	FITC reagent: IgM (MOUSE) RPE reagent: IgG1 (MOUSE)		
Target Species	Rat		
Product Form	Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilised.		
Reconstitution	Reconstitute with 1 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
Buffer Solution	Phosphate buffered saline		
Preservative Stabilisers	0.09% Sodium Azide		

1% Bovine Serum Albumin

5% Sucrose

**External Database
Links**

UniProt:

[P04157](#)

[Related reagents](#)

[P19377](#)

[Related reagents](#)

[Q64159](#)

[Related reagents](#)

Entrez Gene:

[24699](#)

Ptpcr

[Related reagents](#)

[25710](#)

Cd3d

[Related reagents](#)

[300678](#)

Cd3g

[Related reagents](#)

Synonyms

T3d

RRID

AB_323891

Specificity

<**Mouse anti Rat CD3:FITC/CD45RA:RPE** is a dual colour reagent recognising rat CD3 and CD45RA cell surface antigens.

Clone IF4 recognises rat CD3, a cell surface antigen expressed by mature lymphocytes.

Clone OX-33 recognises rat CD45RA, a cell surface antigen expressed by B-lymphocytes.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cell in 100ul.

References

1. Tanaka, T. *et al.* (1989) Characterization of a CD3-like rat T cell surface antigen recognized by a monoclonal antibody. [J Immunol. 142 \(8\): 2791-5.](#)
2. Barclay, A.N. (1981) The localization of populations of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues. [Immunology. 42 \(4\): 593-600.](#)

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

Regulatory

For research purposes only

From March 15, 2021, we will no longer supply printed datasheets with our products.

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'M374191:201020'

Printed on 09 Feb 2021

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