

## Datasheet: DC044

<b>Description:</b>	MOUSE ANTI RAT CD3:FITC/CD45RA:RPE
<b>Specificity:</b>	CD3/CD45RA
<b>Format:</b>	FITC/RPE
<b>Product Type:</b>	Dual Color Reagent
<b>Clone:</b>	IF4/OX-33
<b>Isotype:</b>	Cocktail
<b>Quantity:</b>	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](http://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

0.09% Sodium Azide

### Stabilisers

1% Bovine Serum Albumin  
5% Sucrose

### External Database

#### Links

#### UniProt:

[P04157](#)

[Related reagents](#)

[P19377](#)    [Related reagents](#)

[Q64159](#)    [Related reagents](#)

**Entrez Gene:**

[24699](#)    Ptprc    [Related reagents](#)

[25710](#)    Cd3d    [Related reagents](#)

[300678](#)    Cd3g    [Related reagents](#)

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**Synonyms**

T3d

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**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.

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**Flow Cytometry**

Use 10ul of the suggested working dilution to label 10<sup>6</sup> cell in 100ul.

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**References**

1. Tanaka, T. *et al.* (1989) Characterization of a CD3-like rat T cell surface antigen recognised by a monoclonal antibody. [J. Immunol. 142: 2791 - 2795.](#)
2. Barclay, A. N. *et al.* (1981) The localization of populations of lymphocytes defined by monoclonal antibodies in rat lymphoid tissues. [Immunology. 42: 593 - 600.](#)

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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.

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**Shelf Life**

12 months from date of reconstitution.

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**Health And Safety Information**

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

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**Regulatory**

For research purposes only

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