

Datasheet: DC042

Description:	MOUSE ANTI RAT CD3:FITC/CD8:RPE
Specificity:	CD3/CD8
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	IF4 / OX-8
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 - lyophilized		
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:

[P19377](#) [Related reagents](#)

[Q64159](#) [Related reagents](#)

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

[P05541](#) [Related reagents](#)

Entrez Gene:

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

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

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

[24931](#) Cd8b [Related reagents](#)

Synonyms

Cd8b1, T3d

RRID

AB_324089

Specificity

DC042 is a dual colour reagent recognising rat CD3 and CD8 cell surface antigens.

Clone IF4 recognises rat CD3, a cell surface glycoprotein expressed by mature T lymphocytes. Clone OX8 recognises rat CD8, a cell surface glycoprotein expressed by thymocytes and by the suppressor/cytotoxic subset of peripheral blood T cells.

CD8 expression has also been reported upon rat macrophages.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells 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. Brideau, R.J. *et al.* (1980) Two subsets of rat T lymphocytes defined with monoclonal antibodies. [Eur J Immunol. 10 \(8\): 609-15.](#)
3. Zschemisch, N.H. *et al.* (2012) Zinc-finger nuclease mediated disruption of Rag1 in the LEW/Ztm rat. [BMC Immunol. 13: 60.](#)

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:
20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

Regulatory

For research purposes only

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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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