

Datasheet: DC011

Description:	MOUSE ANTI HUMAN CD8:FITC/CD4:RPE
Specificity:	CD8/CD4
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	LT8/RPA-T4
Isotype:	Cocktail
Quantity:	50 TESTS

Product Details

RRID AB_1125293

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: IgG1 (MOUSE)
RPE reagent: IgG1 (MOUSE)

Target Species Human

Product Form Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilised.

Reconstitution Reconstitute with 0.5 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:

[P10966](#) [Related reagents](#)
[P01730](#) [Related reagents](#)
[P01732](#) [Related reagents](#)

Entrez Gene:

[926](#) CD8B [Related reagents](#)
[920](#) CD4 [Related reagents](#)
[925](#) CD8A [Related reagents](#)

Synonyms

CD8B1, MAL

Specificity

Mouse anti Human CD8:FITC/CD4:RPE Dual Color reagent may be used to simultaneously identify CD4 and CD8 positive cells.

Clone LT8 recognises the human CD8 antigen, a ~32 kD dimer expressed by a subset of T cells with cytotoxic/suppressor activity, and more weakly by NK cells.

RPA-T4 is specific for the human CD4 antigen, a ~59 kDa cell surface glycoprotein expressed by the helper-inducer subset of T cells, and weakly by monocytes.

Flow Cytometry

Use 10ul to label 100ul lysed whole blood.

References

1. Steele, J.C. *et al.* (2002) Detection of CD4(+)- and CD8(+)-T-cell responses to human papillomavirus type 1 antigens expressed at various stages of the virus life cycle by using an enzyme-linked immunospot assay of gamma interferon release. [J Virol. 76 \(12\): 6027-36.](#)

Storage

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

This product should be stored undiluted.

DO NOT FREEZE. 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.

**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

Related Products

Recommended Negative Controls

[MOUSE IgG1:FITC/MOUSE IgG1:RPE NEGATIVE CONTROL \(DC012\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com
'M335412:181204'

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

Printed on 20 May 2019

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)