

Datasheet: DC003

Description:	MOUSE ANTI HUMAN CD3:FITC/CD8:RPE
Specificity:	CD3/CD8
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	UCHT1/LT8
Isotype:	Cocktail
Quantity:	50 TESTS

Product Details

RRID AB_1125252

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:

[P04234](#) [Related reagents](#)
[P07766](#) [Related reagents](#)
[P09693](#) [Related reagents](#)
[P01732](#) [Related reagents](#)
[P10966](#) [Related reagents](#)

Entrez Gene:

[915](#) CD3D [Related reagents](#)
[916](#) CD3E [Related reagents](#)
[917](#) CD3G [Related reagents](#)
[925](#) CD8A [Related reagents](#)
[926](#) CD8B [Related reagents](#)

Synonyms

CD8B1, MAL, T3D, T3E, T3G

Specificity

Mouse anti Human CD3:FITC/CD8:RPE dual color reagent may be used to simultaneously identify CD3 and CD8 positive cells and to identify populations of lymphocytes that co-express these antigens.

Clone UCHT1 recognises the human CD3 antigen, which is expressed by all mature T cells, while clone LT8 recognises the human CD8 antigen, a ~32 kDa dimer expressed by a subset of T cells with cytotoxic/suppressor activity, and more weakly by NK cells.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Beverley, P. *et al.* (1981) Distinctive functional characteristics of human "T" lymphocytes defined by E rosetting or a monoclonal anti-T cell antibody. [Eur. J. Immunol. 11: 329-334.](#)

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)

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