

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

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	Emission Max (nm)	Excitation Max (nm)
	FITC	525	490
	RPE 488nm laser	578	496
	RPE 561nm laser	578	546
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. <i>et al.</i> (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: 6027 - 6036.
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.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10075 available at: 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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