

## Datasheet: DC011

<b>Description:</b>	MOUSE ANTI HUMAN CD8:FITC/CD4:RPE
<b>Specificity:</b>	CD8/CD4
<b>Format:</b>	FITC/RPE
<b>Product Type:</b>	Dual Color Reagent
<b>Clone:</b>	LT8 / RPA-T4
<b>Isotype:</b>	Cocktail
<b>Quantity:</b>	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](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.

<b>Antibody Isotypes</b>	FITC reagent: IgG1 (MOUSE) RPE reagent: IgG1 (MOUSE)		
<b>Target Species</b>	Human		
<b>Product Form</b>	Dual Colour combination consisting of FITC conjugated and RPE conjugated monoclonal antibodies mixed in optimal ratio - lyophilized		
<b>Reconstitution</b>	Reconstitute with 0.5 ml distilled water		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
<b>Buffer Solution</b>	Phosphate buffered saline		
<b>Preservative Stabilisers</b>	0.09% Sodium Azide		

1% Bovine Serum Albumin

5% Sucrose

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**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](#)

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**Synonyms**            CD8B1, MAL

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**RRID**                AB\_1125293

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**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.

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**Flow Cytometry**        Use 10ul to label 100ul lysed whole blood.

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**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.](#)

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**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.

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**Guarantee**            12 months from date of despatch

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**Health And Safety  
Information**            Material Safety Datasheet documentation #20487 available at:  
20487: <https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf>

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**Regulatory**            For research purposes only

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## 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

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