

## Datasheet: TC010

<b>Description:</b>	ANTI HUMAN CD4:FITC/CD8:RPE/CD3:RPE-CY5
<b>Specificity:</b>	CD4/CD8/CD3
<b>Format:</b>	3 Color
<b>Product Type:</b>	Triple Color Reagent
<b>Clone:</b>	RPA-T4 / LT8 / S4.1
<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 product 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 product for use in their own system using appropriate negative/positive controls.

### Antibody Isotypes

CD4 FITC reagent: Mouse IgG1  
 CD8 RPE reagent: Mouse IgG1  
 CD3 RPE-CY5 reagent: Mouse IgG2a

### Target Species

Human

### Product Form

Triple Color combination consisting of FITC, RPE and RPE-CY5 conjugated monoclonal antibodies mixed in optimal ratio - lyophilized

### 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
	RPE-Cy5 488nm laser	667	496
	RPE-Cy5 561nm laser	667	546

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide  
 1% Bovine Serum Albumin  
 5% Sucrose

<b>Specificity</b>	<p><b>Anti Human CD4:FITC/CD8:RPE/CD3:RPE-CY5</b> may be used to simultaneously identify CD3, CD4 and CD8 positive lymphocytes.</p> <p>Clone 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. LT8 recognizes 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. Clone S4.1 is specific for the human CD3 antigen, a pan T cell marker.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul
<b>Storage</b>	<p>Store at +4°C.</p> <p>DO NOT FREEZE</p> <p>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.</p>
<b>Shelf Life</b>	18 months from date of despatch
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation available at:  Material Safety Datasheet Documentation #10075 available at:  <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf</a></p>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Useful Reagents

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

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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Printed on 16 Aug 2017