

## 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.

<b>Antibody Isotypes</b>	CD4 FITC reagent: Mouse IgG1 CD8 RPE reagent: Mouse IgG1 CD3 RPE-CY5 reagent: Mouse IgG2a
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<b>Target Species</b>	Human
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<b>Product Form</b>	Triple Color combination consisting of FITC, RPE and RPE-CY5 conjugated monoclonal antibodies mixed in optimal ratio - lyophilized
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<b>Reconstitution</b>	Reconstitute with 0.5 ml distilled water
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Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
	RPE-Cy5 488nm laser	496	667
	RPE-Cy5 561nm laser	546	667

<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose
<b>RRID</b>	AB_1604764
<b>Specificity</b>	<b>Anti Human CD4:FITC/CD8:RPE/CD3:RPE-CY5</b> may be used to simultaneously identify CD3, CD4 and CD8 positive lymphocytes.  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.
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul
<b>Storage</b>	Store at +4°C.  DO NOT FREEZE  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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #20487 available at: 20487: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf</a>
<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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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