

## Datasheet: DC019

<b>Description:</b>	MOUSE ANTI HUMAN CD3:FITC/HLA-CLASS 2:RPE
<b>Specificity:</b>	CD3/HLA2
<b>Format:</b>	FITC/RPE
<b>Product Type:</b>	Dual Color Reagent
<b>Clone:</b>	UCHT1 / WR18
<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: IgG2a (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:**

[P04234](#) [Related reagents](#)

[P07766](#) [Related reagents](#)

[P09693](#) [Related reagents](#)

**Entrez Gene:**

[915](#) CD3D [Related reagents](#)

[916](#) CD3E [Related reagents](#)

[917](#) CD3G [Related reagents](#)

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**Synonyms**

T3D, T3E, T3G

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**RRID**

AB\_321268

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**Specificity**

**Mouse anti Human CD3:FITC/HLA-CLASS 2:RPE Dual color reagent** is designed to permit the simultaneous enumeration of CD3 and HLA Class 2 expressing cells. It is particularly useful in the assessment of HLA Class 2 expression on T lymphocytes. Clone UCHT1 recognizes the human CD3 cell surface antigen, expressed by T lymphocytes. Clone WR18 recognises a common determinant on the beta chain of the human HLA Class 2 molecules HLA-DR, DP and DQ. This antigen is expressed on B lymphocytes, monocytes and on activated T lymphocytes.

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**Flow Cytometry**

Use 10ul of the suggested working dilution to label  $10^6$  cells or 100ul whole blood

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**Storage**

Prior to reconstitution store at +4°C. Following reconstitution 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.

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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:  
<https://www.bio-rad-antibodies.com/SDS/DC019>  
20487

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**Regulatory**

For research purposes only

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**Related Products****Recommended Negative Controls**

[MOUSE IgG1:FITC/MOUSE IgG2a:RPE NEGATIVE CONTROL \(DC029\)](#)

## Recommended Useful Reagents

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

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

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**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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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