

Datasheet: DC019

BATCH NUMBER 150266

Description:	MOUSE ANTI HUMAN CD3:FITC/HLA-CLASS 2:RPE
Specificity:	CD3/HLA2
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	UCHT1 / WR18
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: IgG2a (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	Excitation Max (nm)	Emission Max (nm)
	FITC	490	525
	RPE 488nm laser	496	578
	RPE 561nm laser	546	578
Buffer Solution	Phosphate buffered saline		

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

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](#)

Synonyms T3D, T3E, T3G

RRID AB_321268

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.

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

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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #20487 available at: <https://www.bio-rad-antibodies.com/SDS/DC019>
20487

Regulatory For research purposes only

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

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: 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

'M375210:210104'

Printed on 12 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)