

Datasheet: DC030

Description:	MOUSE ANTI HUMAN CD79a:FITC/CD5:RPE
Specificity:	CD79a/CD5
Format:	FITC/RPE
Product Type:	Dual Color Reagent
Clone:	ZL7-4/MF7-14.5
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:

[P06127](#)

[Related reagents](#)

[P11912](#) [Related reagents](#)

Entrez Gene:

[921](#) CD5 [Related reagents](#)

[973](#) CD79A [Related reagents](#)

Synonyms IGA, LEU1, MB1

Specificity **Mouse anti Human CD79a:FITC/CD5:RPE dual color reagent** is intended for the simultaneous evaluation of CD79a and CD5 on human cells.

CD79a is part of the B cell receptor complex, and is expressed by all B lymphocytes.

CD5 is a ~67 kDa glycoprotein expressed by all mature T cells and by a subset of mature B cells. CD5 has been shown to act as a ligand for the B cell marker CD72. CD5 positive B cells have been implicated in the pathogenesis of various autoimmune disorders and are the normal counterpart of the malignant cells in B cell chronic lymphocytic leukaemia.

Mouse anti Human CD79a:FITC/CD5:RPE may find particular application in the study of CD5 positive B lymphocytes and in the study of chronic lymphoproliferative diseases. The CD79a specific antibody in this combination has been reported to be useful in distinguishing B-CLL from mantle cell lymphoma, see ([Bell et al. 1999](#)).

Flow Cytometry Use 10ul to label 100ul of whole blood.

References 1. Bell, P.B. *et al.* (1999) CD79a detected by ZL7.4 separates chronic lymphocytic leukemia from mantle cell lymphoma in the leukemic phase. [Cytometry. 38 \(3\): 102-5.](#)

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.

Shelf Life 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10075 available at: 10075: <https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf>

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 \(BUF070B\)](#)

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