

Datasheet: MCA2454PE

Description:	MOUSE ANTI HUMAN CD19:RPE
Specificity:	CD19
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	LE-CD19
Isotype:	IgG1
Quantity:	100 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

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			

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.

Target Species	Human
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Reconstitution	Reconstitute with 1ml distilled water
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin
Immunogen	CD19 peptide CGPDPAWGGGGRMGWSTR (C-terminus) coupled to KLH.
External Database Links	UniProt: P15391 CD19_HUMAN Entrez Gene: 930 CD19
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the X63-Ag8.653 myeloma cell line.
Specificity	MCA2454PE recognises the C-terminal cytoplasmic tail sequence (CGPDPAWGGGGRMGWSTR) of human CD19, a 95kD cell surface glycoprotein, which is expressed by cells of the B cell lineage and follicular dendritic cells. CD19 is absent on plasma cells. CD19 is an important signal transduction molecule which is involved in the regulation of B lymphocyte development, activation and differentiation.

Flow Cytometry Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

* Membrane permeabilization is required for this application. Serotec recommends the use of Leucoperm™ (product code [BUF09](#)) for this purpose.

References 1. Ogembo, J.G. *et al.* (2012) SIRPα/CD172a and FHOD1 Are Unique Markers of Littoral Cells, a Recently Evolved Major Cell Population of Red Pulp of Human Spleen. [J Immunol. 188: 4496-505.](#)

Storage Prior to reconstitution store at +4°C.
After reconstitution store at +4°C.
DO NOT FREEZE.

Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 12 months from date of reconstitution.

Regulatory For research purposes only

Other formats and applications

This reagent is also available in a [Purified](#) format and is useful for Immunohistology - Paraffin, ELISA, Immunoprecipitation, Western Blotting

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