

APC anti-human CD23

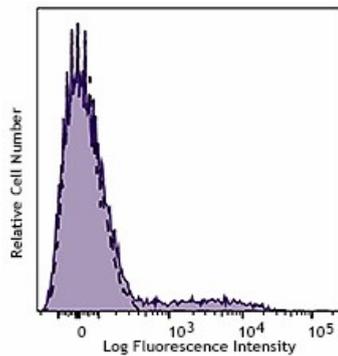
Analyte Specific Reagent. Analytical and performance characteristics are not established.

Catalog# / Size	982910 / 500 µL
Clone	EBVCS-5
Other Names	Leu-20, FcεRII, IgE Fc Receptor, BLAST-2, B6, Low affinity IgE receptor
Isotype	Mouse IgG1, κ
Description	CD23 is a 45 kD protein, also known as Leu-20, FcεRII, IgE Fc receptor, BLAST-2, B6, and low affinity IgE receptor. It is a member of the Ig superfamily, expressed on most mature B cells, B cells in follicular mantle (but not in proliferating germinal center cells), follicular dendritic cells, monocytes, eosinophils, Langerhans cells, and a subset of T cells (10-15% of tonsillar T cells). CD23 responds to high levels of IgE by downregulating IgE secretion. In human monocytes, CD23 triggering results in release of pro-inflammatory cytokines including TNF-α, IL-1, IL-6, and GM-CSF. CD23 can be proteolytically cleaved to generate soluble CD23 fragments of various molecular weights. In chronic lymphocytic leukemia, levels of soluble CD23 in the serum can be used as a prognostic marker to identify patients at high risk for disease progression. Alternate splicing of exon 2 can also generate two cell-surface isoforms of CD23 differing by 6 amino acids in their cytoplasmic region.

Product Details

Reactivity	Human
Formulation	Phosphate-buffered solution, pH7.2, 0.09% sodium azide, 0.2% (w/v) BSA (origin USA), and a stabilizer.
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	100 µg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	Suggested for Flow Cytometry
Disclaimer	WARNINGS AND PRECAUTIONS <ol style="list-style-type: none">1. Use appropriate personal protective equipment and safety practices per universal precautions when working with this reagent. Refer to the reagent safety data sheet.2. This antibody contains sodium azide. Follow federal, state and local regulations to dispose of this reagent. Sodium azide build-up in metal wastepipes may lead to explosive conditions; if disposing of reagent down wastepipes, flush with water after disposal.3. All specimens, samples and any material coming in contact with them should be considered potentially infectious and should be disposed of with proper precautions and in accordance with federal, state and local regulations.4. Do not use this reagent beyond the expiration date stated on the label.5. Do not use this reagent if it appears cloudy or if there is any change in the appearance of the reagent as these may be an indication of possible deterioration.6. Avoid prolonged exposure of the reagent or stained cells to light.

Product Data



Typical results from human peripheral blood lymphocytes stained either with EBVCS APC used at 5 µL/test (filled histogram) or with an isotope control (open histogram).

Symbols Glossary*

Symbol	Meaning	Symbol Title	Symbol No.	Symbol	Meaning	Symbol Title	Symbol No.
	Catalog number	Catalogue number	5.1.6		Indicates the need for the user to consult the instructions for use.	Consult instructions for use	5.4.3
	Indicates the temperature limits to which the medical device can be safely exposed.	Temperature limit	5.3.7		Indicates a medical device that needs protection from light sources.	Keep away from sunlight	5.3.2
	Indicates the upper limit of temperature to which the medical device can be safely exposed.	Upper limit of temperature	5.3.6		Indicates the date after which the medical device is not to be used.	Use-by date	5.1.4
	Indicates the medical device manufacturer.	Manufacturer	5.1.1		Indicates the authorized representative in the European Community.	Authorized representative in the European Community	5.1.2
	Indicates the manufacturer's batch code so that the batch or lot can be identified.	Batch code	5.1.5		Indicates a medical device that is intended to be used as an in vitro diagnostic medical device.	<i>In vitro</i> diagnostic medical device	5.5.1

* Symbol information is from EN ISO 15223-1:2016 Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements

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