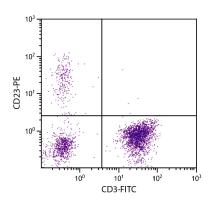




Mouse Anti-Human CD23

Cat. No.	Format	Size
9580-01	Purified (UNLB)	0.1 mg
9580-02	Fluorescein (FITC)	100 tests
9580-02S	Fluorescein (FITC)	25 tests
9580-09	R-phycoerythrin (PE)	100 tests
9580-09S	R-phycoerythrin (PE)	25 tests



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD23-PE (SB Cat. No. 9580-09) and Mouse Anti-Human CD3-FITC (SB Cat. No. 9515-02).

Overview

Clone Tür

Isotype Mouse (BALB/c) $IgG_3\kappa$

Immunogen KR3598 cells

Specificity Human CD23; Mr 45 kDa

Alternate Name(s) FCERII, B6, Leu-20, BLAST-2, low affinity IgE receptor

Workshop III 077, 760; IV B237

Description

CD23 is a 45 kDa type II integral membrane glycoprotein that is the low affinity receptor for IgE. It also binds to CD21 and the α chains of CD11b and CD11c. It is expressed by B cells and monocytes and, weakly, on T cells, follicular dendritic cells, eosinophils, NK cells, Langerhans cells, and platelets. It is upregulated in response to B cell activation, CD40 ligation, or in response to IL-4 or IL-13. CD23 is responsible for regulation of IgE synthesis and may play a role in antigen presentation by B cells and follicular dendritic cells by interacting with CD40.

Applications

FC – Quality tested ²⁻⁵
IHC-FS – Reported in literature ^{1,6,7}
ICC – Reported in literature ^{7,8}
WB – Reported in literature ^{7,9,10}
Block – Reported in literature ⁷

Working Dilutions

Flow Cytometry Purified (UNLB) antibody \leq 1 μ g/10 6 cells FITC and PE conjugates 10 μ L/10 6 cells

For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is

appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No
 preservatives or amine-containing buffer salts added. Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN₃ Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 25 tests in 0.25 mL or 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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