

anti-human CD23 APC-conjugated

APC-conjugated monoclonal Antibody EBVCS-5 to CD23 (Human)

Cat-No: **21279236**

500 µl

Clone: EBVCS-5

Specificity: The mouse monoclonal antibody EBVCS-5 recognizes an epitope located in the stalk region of human low affinity IgE receptor (CD23) between the 37 and 25 kDa cleavage sites.

Isotype subclass: Mouse IgG1

Form: The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1% BSA and 0.09% sodium azide (pH 7.2)

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4 °C. Avoid prolonged exposure to light

Application: Flow Cytometry

References:

- *) Ling NR, Stevenson FK, Brown B: Urinary excretion of CD23 antigen in normal individuals and patients with chronic lymphocytic leukaemia (CLL). Clin Exp Immunol. 1991 Dec;86(3):360-6.
- *) Yamaoka KA, Arock M, Issaly F, Dugas N, Le Goff L, Kolb JP: Granulocyte macrophage colony stimulating factor induces Fc epsilon RII/CD23 expression on normal human polymorphonuclear neutrophils. Int Immunol. 1996 Apr;8(4):479-90.
- *) Belleau JT, Gandhi RK, McPherson HM, Lew DB: Research upregulation of CD23 (FcepsilonRII) expression in human airway smooth muscle cells (huASMC) in response to IL-4, GM-CSF, and IL-4/GM-CSF. Clin Mol Allergy. 2005 May 20;3:6.
- *) Byrd JC, O'Brien S, Flinn IW, Kipps TJ, Weiss M, Rai K, Lin TS, Woodworth J, Wynne D, Reid J, Molina A, Leigh B, Harris S: Phase 1 study of lumiliximab with detailed pharmacokinetic and pharmacodynamic measurements in patients with relapsed or refractory chronic lymphocytic leukemia. Clin Cancer Res. 2007 Aug 1;13(15 Pt 1):4448-55.

Background: CD23 (Fc epsilon RII), the low affinity IgE receptor, is a 45 kDa type II membrane glycoprotein expressed more or less on eosinophils, follicular dendritic cells, Langerhans cells, mature B cells (mainly upon activation), EBV-transformed lymphoblasts, monocytes, and subpopulation of platelets. A soluble form of 37 kDa and other its fragments were also described. CD23 mediates IgE-dependent cytotoxicity by eosinophils and macrophages, and downregulates IgE secretion in response to high levels of IgE, involving release of pro-inflammatory cytokines.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

Gladiolenweg 2; 26169 Friesoythe; Germany
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com
www.immunotools.com