

Monoclonal antibody against human CD23

Product Nos. ADG5014 and ADG5014L

Description

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 proinflammatory cytokines.

Properties

The monoclonal antibody ADG5014/L (clone LT-23) is a murine monoclonal antibody, subclass IgG₁. The antibody has been purified from ascites by DEAE chromatography, Purity > 95% (by SDS-PAGE).

The antibody is specific for the human CD23 antigen, it reacts with surface B cell antigen CD23. CD23 is the low affinity receptor for IgE.
HLDA IV; WS Code P 99.

Presentation

Vial containing 100 µg /100 µl (ADG5014) or 300 µg/300 µl (ADG5014L) of purified antibody in PBS containing 0.09 % sodium azide (pH 7.2). The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store at 4 °C. For long-term storage aliquot and store at -20°. It is recommended to avoid freeze-thaw cycles. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow Cytometry

References

Horejsi V. et al., Folia Biol. (Praha) 34, 23 (1988).
Leucocyte Typing IV.
Knapp W et al. (Eds.), Oxford University Press (1989)

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Hinweis/Note:

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