

## 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 IgG<sub>1</sub>. 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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