

## Monoclonal antibody against human CD23

Product Nos. ADG5015 and ADG5015L

### 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 ADG5015/L (clone LT-4F1) 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 recognizes an epitope located in the stalk region of human low affinity IgE receptor (CD23) between the 37 and 25 kDa cleavage sites.

### Presentation

Vial containing 100 µg /100 µl (ADG5015) or 300 µg/ 300 µl (ADG5015L) 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

Leukocyte Typing VI. Kishimoto T. et al. (Eds.), Garland Publishing Inc. (1997).

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