

Monoclonal antibody against human CD17 FITC conjugated

Product Nos. ADG5013 and ADG5013L

Description

CD17, lactosylceramide, is an ubiquitous glycosphingolipid with uncharged disaccharide headgroup, highly enriched in lipid raft-derived structures. Besides playing a pivotal role in the biosynthesis of complex glycosphingolipids, lactosylceramide is involved in cell-cell and cell-matrix interactions and in signaling events linked to cell differentiation, development, apoptosis and oncogenesis. Lactosylceramide regulates integrin functions and production of nitric oxide. Its expression defines successive stages in the maturation of myeloid cells. Lactosylceramide (LaCer) is present on peripheral blood granulocytes including basophils, monocytes, platelets and a subset of B cells (40-80% CD19+). In tissues, CDw17 is found on tonsillar dendritic cells, epithelial cells, intestinal epithelium and endothelial. CDw17 antigen may play a role in phagocytosis.

Properties

The monoclonal antibody ADG5013/L (clone HIP10) is a murine monoclonal antibody, subclass IgM.

The antibody recognizes CDw17, a membrane lipid moiety lactosylceramide expressed on granulocytes, monocytes and platelets.

Conjugation

The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary

Presentation

Vial containing 500 µl (ADG5013) or 2 ml (ADG5013L) of purified antibody in PBS containing 1% BSA and 0.09% sodium azide (pH 7.2). The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store the antibody at 4°C. Avoid prolonged exposure to light. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow Cytometry

References

Leucocyte Typing VI. Tadimitsu L et al. (Eds.), White Cell Differentiation Antigens, Garland Publishing New York (1997).

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