

Monoclonal antibody against human CD17

Product Nos. ADG5012 and ADG5012L

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 ADG5012/L (clone HIP10) is a murine monoclonal antibody, subclass IgM. The antibody has been purified by hydroxyapatite hydrophobic chromatography, Purity > 95% (by SDS-PAGE).

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

Presentation

Vial containing 100 µg /100 µl (ADG5012) or 300 µg/ 300 µl (ADG5012L) 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, Immunofluorescence

References

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

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