

## anti-human CD17 FITC

FITC-conjugated Monoclonal Antibody HIP10 to CDw17 (Human)

Cat-No: **21810173**

500 µl

**Clone:** HIP10

**Specificity:** The antibody HIP10 recognizes CDw17, a membrane lipid moiety lactosylceramide expressed on granulocytes, monocytes and platelets.

**Isotype subclass:** Mouse IgM

**Form:** The purified antibody is conjugated with Fluoresceinisothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS containing 1% BSA and 0.09% sodium azide (pH 7.2)

**Expiration date:** The reagent is stable until the expiry date stated on the vial label

**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

**Application:** Flow Cytometry

**References:**

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

**Background:** **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.

**Warning:** Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

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