

anti-human CD21

Monoclonal Antibody HI21a to CD21 (Human)

Cat-No: **21810211**

100 µg in 100 µl

Clone: HI21a

Specificity: The antibody HI21a recognizes a 145 kDa type I transmembrane glycoprotein which is C3d complement receptor(CR2) and Epstein-Barr virus receptor (EBVR).

Isotype subclass: Mouse IgG2a

Form: Purified by protein-G affinity chromatography.

Purity: > 95% (by SDS-PAGE)

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 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. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Application: Flow Cytometry

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

Background: **CD21** is a receptor for the C3d complement fragment and for Epstein Barr virus (EBV), found on mature B cells, follicular dendritic cells, and some epithelial cells. It is also weakly expressed on a subset of mature T cells and thymocytes. This clone also cross-reacts with a major subset of, but not all, peripheral blood CD20 + lymphocytes of baboon, and both rhesus and cynomolgus macaque monkeys. A subset of CD3 + cells is also CD21 +. The monoclonal antibody is directed against the CD21-antigen, which is expressed on normal Ig-positive B-cells from peripheral blood and lymphoid tissues and on dendritic cells of germinal centres. Its expression is lost on activated B-cells. The distinct distribution among B-cell malignancies differs from other B-cell markers e.g. CD19 and CD20.

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.

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