

anti-human CD37

Monoclonal Antibody HH1 to CD37 (Human)

Cat-No: **21620371**

100 µg in 100 µl

Clone: HH1

Specificity: This antibody recognizes the CD37 antigen on human B cells (1). On flow cytometry it stains approximately 2-10% of human peripheral blood mononuclear cells strongly. This antibody has been studied at the 3. International Workshop on Human Leucocyte Differentiation Antigens (2).

Isotype subclass: Mouse monoclonal IgG1

Form: The antibody was purified by affinity chromatography.

Physical state: Liquid

Buffer/Additives/Preservative: PBS, pH 7.2, containing 0.09% sodium azide.

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: The HH1 antibody is well suited for detection of CD37 by flow cytometry.

Background: CD37, also known as TSPAN26, is a 40 - 45 kDa palmitoylated tetraspanin superfamily glycoprotein that is expressed by lymphocytes and myeloid cells. CD37 directly associates with dectin-1 on macrophages and stabilizes cell surface dectin-1 expression. It also inhibits T cell activation and proliferation by limiting T cell receptor signaling. Human CD37 shares 80% amino acid sequence identity with mouse and rat CD37.

References: 1.) Barclay, Brown et al., The Leucocyte Antigen FactsBook, 2nd edition, Harcourt Brace & Company, London, (1997)
2.) McMichael, A.J. et al. (eds.), Leucocyte typing 3., Oxford University Press, Oxford, (1987)

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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