

## anti-human CD37 PE-conjugated

PE-conjugated monoclonal antibody HH1 to human CD37

Cat-No: **21620374**

500 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 purified antibody is conjugated with R-Phycoerythrin (R-PE) 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:** 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:** \*) Barclay, Brown et al., The Leucocyte Antigen FactsBook, 2<sup>nd</sup> edition, Harcourt Brace & Company, London, (1997)  
\*). 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.

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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