

## anti-human CD37 no azide

### Monoclonal Antibody HH1 to CD37 (Human)

Cat-No: **21620370**

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:** Purified by protein-A affinity chromatography.

**Physical state:** Liquid

**Buffer/Additives/Preservative:** sterile PBS (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:** functional application

**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, 2<sup>nd</sup> edition, Harcourt Brace & Company, London, (1997)  
2.) McMichael, A.J. et al. (eds.), Leucocyte typing 3., Oxford University Press, Oxford, (1987)

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.

**ImmunoTools** Excellent Quality - Advantageously priced

Gladiolenweg 2; 26169 Friesoythe; Germany  
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, [info@immunotools.com](mailto:info@immunotools.com)  
[www.immunotools.com](http://www.immunotools.com)