



BMA BIOMEDICALS

Monoclonal Antibody To Human CD37

Marker for Peripheral Mature B cells

Monoclonal antibody HH1 recognizes the CD37 antigen. CD37 is strongly expressed on normal and neoplastic mature B lymphocytes. In B-cell ontogeny, the antigen appears after the pre-B-cell stage, is maintained during peripheral B-cell development and is lost upon terminal differentiation into plasma cells. Due to its strong expression, CD37 is a valuable and stable marker for peripheral mature B cells and malignancies thereof. CD37 is extensively glycosylated and typically precipitates as a broad band ranging from 42 to 52kD.

This antibody was produced in vitro in bioreactors, not from ascites.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1359 (Lot 01PO0801)
Clone:	HH1
Host species, isotype:	Mouse IgG1
Quantity:	100µg
Format:	Affinity purified, lyophilized. Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS. Approximate working dilution for IHC: Frozen sections: 0.5µg/ml (1:400) Paraffin sections: not tested Optimal dilutions should be determined by the end user Suggested positive control: Human tonsil Please see www.bma.ch for protocols and general information
Antigen, epitope:	The antigen is CD37. The epitope has not been further analyzed.

Antigen distribution:

Isolated cells: The antibody strongly stains approximately 2-10% of human peripheral blood mononuclear cells in flow cytometry. CD37 is present at low density on resting and activated T cells, neutrophils, monocytes and some myelomonocytic leukemia cells.

Tissue sections: The antibody shows a B cell restricted staining pattern.

Specificity:

Human: CD37

Other: The antibody does not react with either frozen nor paraffin embedded porcine tissues.

Selected references

Barclay, Brown et al., The Leukocyte Antigen FactsBook, 2nd edition, Harcourt Brace & Company, London, (1997)

McMichael, A.J. et al. (eds), Leukocyte typing III., Oxford University Press, Oxford, (1987)

For in vitro research only. This product contains sodium azide as a preservative.