



Peninsula Laboratories, LLC

A Member of the Bachem Group

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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.

Product Number:	T-1359
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), and 0.09% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
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 Immunogen: n.a.
Antigen, epitope:	The antigen is CD37. The epitope has not been further analyzed.



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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: not tested.

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. Caution: this product contains sodium azide, a poisonous and hazardous substance.