



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Human CD5 Marker for T Cell Antigen T1, Tp67

Monoclonal antibody CRIS-1 recognizes the human CD5 antigen. CD5 is expressed at low density early on thymocytes and at high density on all mature T lymphocytes. CD5 is expressed at low density on a small subset of mature B lymphocytes (B1a cells) which is expanded during fetal life and in several autoimmune disorders as well as in some B cell-derived lymphoproliferative disorders (chronic lymphocytic leukemia, CLL).

CD5 is a glycoprotein monomer of 67kD which belongs to the scavenger receptor cysteine-rich (SRCR) family of extracellular domain-like structures and possesses a large cytoplasmic domain suitable for signal transduction

Product Number:	T-1367
Clone:	CRIS-1
Host species, isotype:	Mouse IgG2a/kappa
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: ≤0.1µg/ml (1:2000) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil Immunogen: Stimulated human leukocytes.
Antigen, epitope:	The antigen is CD5. The epitope has not been further characterized.



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Antigen distribution:

Isolated cells: the antibody stains approximately 50-90% of human peripheral blood mononuclear cells in flow cytometry.

Tissue sections: the antibody reacts with the interfollicular area and mantle zone in tonsil.

Specificity:

Human: CD5

Other: not tested.

Selected references

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

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.