



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Biotinylated Monoclonal Antibody To Rat T Lymphocytes

Monoclonal antibody Ki-T1R is a pan-T-cell marker useful for the characterisation of lymphoid organs and for the study of the interaction of T-cells with other cell types e.g. macrophages.

Product Number:	T-3122
Clone:	Ki-T1R
Host species, isotype:	Mouse IgG2a
Quantity:	200µg
Format:	Purified, biotinylated, lyophilized
	Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal 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: 0.25µg/ml (1:800) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Rat splee

% Positive Peripheral Lymphocytes

Experiment	Ki-B1R	sIg+	Ki-T1R
1	28	16	70
2	15	21	80
3	18	13	83
4	18	19	76
5	21	16	79
n = 5	19 ±3	18 ±3	79 ±3



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Unpublished data raised in the Institute of Pathology, Michaelisstrasse 11, 2300 Kiel, Germany.

Tissue sections: Ki-T1R shows very characteristic staining patterns in lymphoid organs according to the T-cell distribution; paracortical T-cell zone of lymphnodes, periarteriolar T-cell zones of the spleen, T-cell nodules of the gastrointestinal tract and bone marrow, thymocytes with prevalence from thymus medulla.

Specificity:

Rat: T-lymphocytes.

Other: not tested

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