



## Peninsula Laboratories, LLC

A Member of the Bachem Group

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### Monoclonal Antibody to Rat T Lymphocytes

Monoclonal antibody Ki-T1R as a pan T-cell marker is a useful reagent for the characterization of lymphoid organs and for the study of the interaction of T-cells with other cell types like macrophages.

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**Product Number:** T-3107

**Clone:** Ki-T1R

**Host species, isotype:** Mouse IgG2a

**Quantity:** 1mg

**Format:** Affinity purified, lyophilized

Reconstitute by adding 0.5ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.1% 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).

**Approximate working dilution for IHC:**

Frozen sections: 5µg/ml (1:400)

Paraffin sections: not tested

Optimal dilutions should be determined by the end user.

Suggested positive control: Rat spleen.

**Antigen, epitope:** Ki-T1R detects an epitope of a 161kD glycoprotein (4 bands of 36kD, 38kD, 40kD and 47kD under reducing conditions) which is located on the outer surface of cytoplasmic membranes.



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**Antigen distribution:**

**Isolated cells:** Ki-T1R detects approximately 80% of peripheral blood T-cells. It is negative on all other cell types.

**Tissue sections:** Ki-T1R shows very characteristic staining patterns in lymphoid organs according to the T-cell distribution; paracortical T-cell zone of lymph nodes, periaarteriolar 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 species:** not tested.

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