BMA BIOMEDICALS

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-3107 (Lot 04PO0609)
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 from date of purchase.
	Stock solution or aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
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.
	Please see **www.bma.ch** for protocols and general information.
Immunogen:	Rat lymphocytes
Protein database:	rat-P05540
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, 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 species: not tested.

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

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