BMA BIOMEDICALS

Biotinylated Monoclonal Antibody to human Lambda Light Chain

Marker for B-cells and for Immunoglobulin Isotyping

Monoclonal antibody λ-1 (or L-1) can be used for the detection of surface and intracytoplasmic immunoglobulins on normal and neoplastic B-cells. In conjunction with clone κ-117 (product T-1307, anti-kappa light chain), the light chain isotype of a B-cell population can be determined.

This antibody was produced serum-free, without fetal calf serum.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Product Number:	T-1305 (Lot 02PB1316)
Clone:	λ-1 (or L-1)
Host species, isotype:	Mouse IgG1, kappa light chain
Quantity:	100µg
Format:	Affinity purified, biotinylated, 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) as a stabilizer and 0.05% (v/v) Kathon™ CG as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Applications:	Tested for immunohistochemistry (IHC). **Approximate working dilution for IHC:** Frozen sections: 0.125µg/ml (1:1600) Paraffin sections: Has been described to work with proteinase K pretreatment (T-3401) Optimal dilutions should be determined by the end user Suggested positive control: Human tonsils Please see **www.bma.ch** for protocols and general information
Immunogen:	Purified human IgG
Protein database:	human-P0DOX8
Antigen, epitope:	The epitope is located on the lambda light chain of human Ig.

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Antigen distribution:	**Isolated cells:** Antigen receptor bearing B-cells are stained positively. **Tissue sections:** λ-1 labels follicular and non-follicular B-cells in lymphoid tissues. Intravasal staining can also be observed caused by circulating Ig. Strong labeling occurs with plasma cells in paraffin embedded tissues. The antibody stains surface and intracellular immunoglobulins in cryostat sections. Only intracellular light chains are stained in formaldehyde fixed and paraffin embedded tissues after enzyme digestion (e.g. plasma cells are stained in the latter case.)
Specificity:	**Human:** lambda light chain **Other species:** not tested.

Selected references

ODERMATT, B.F., KNECHT, H., HAGEN, M.F. FEHR, J., RUETTNER, J.R.: Diagnostic and Prognostic Value of Monoclonal Antibodies in Immunophenotyping of T-cell Lymphomas. Acta Haematologica, 77, 72-77 (1987).

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STEIN,H., DALLENBACH,F., DIENEMANN,D.: Differentiation of Physiologic and Malignant Cells of the Lymphatic System. Verh. Dtsch. Ges. Path. 72, 57-85 (1988).

For in vitro research only. This product contains Kathon™ CG as a preservative.

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