

AM26735PU-N**Monoclonal Antibody to Human Kappa Light Chain - Purified**

Quantity:	0.1 mg
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	kappa-117
Immunogen:	Purified human IgG
Format:	State: Lyophilized Ig fraction Purification: Affinity purified Buffer System: Phosphate buffered saline pH 7.2 (PBS) Preservatives: 0.02 % sodium azide Stabilizers: 5 mg/ml bovine serum albumin (BSA) Reconstitution: Reconstitute by adding 0.5 ml distilled water. This stock solution contains 0.2 mg/ml IgG.
Applications:	Immunohistochemistry on frozen sections: 0.25 µg/ml (1/800). Immunohistochemistry on paraffin sections: Has been described to work with proteinase K pretreatment. <i>Positive control:</i> Human tonsil. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Human Kappa Light Chain. Monoclonal antibody κ-117 can be used for the detection of surface and intracytoplasmic immunoglobulins on normal and neoplastic B-cells. In conjunction with clone λ-1, the light chain isotype of a B-cell population can be determined. Antigen distribution: Isolated cells: Antigen receptor bearing B-cells are stained positively. Tissue sections: κ-117 labels follicular and non-follicular B-cells in lymphoid tissues. Intravascular 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 (eg. plasma cells are stained in the latter case.)
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Odermatt BF, Knecht H, Hagen MF, Fehr J, Rüttner JR. Diagnostic and prognostic value of monoclonal antibodies in immunophenotyping of T cell lymphomas. <i>Acta Haematol.</i> 1987;77(2):72-7. PubMed PMID: 3111143. 2. Odermatt BF, Maurer R, Rüttner JR. [Morphologic and immunologic criteria for the diagnosis of non-Hodgkin's lymphoma of low-grade malignancy]. <i>Schweiz Rundsch</i>

Med Prax. 1986 Apr 8;75(15):401-7. PubMed PMID: 3485809.

3. Stein H, Dallenbach F, Dienemann D. [Differentiation pathways of normal and malignant cells of the lymphatic system]. Verh Dtsch Ges Pathol. 1988;72:57-85. PubMed PMID: 3064479.