

## 36-1289: Monoclonal Antibody to Kappa Light Chain (B-Cell Marker)(Clone : KLC709)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	KLC709
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	IGKV1D-16
<b>Uniprot ID :</b>	P01601
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IGKV1D-16
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	Recombinant human Ig kappa chain

### Description

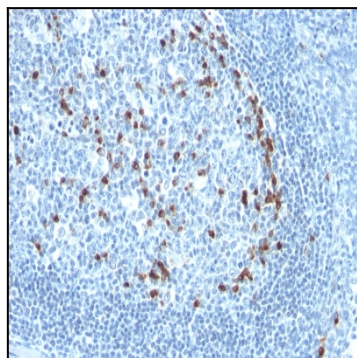
This MA b is specific to kappa light chain of immunoglobulin and shows no cross-reaction with lambda light chain or any of the five heavy chains. It recognizes human Ig kappa light chains of both secreted and cell surface immunoglobulin. It detects also free kappa light chains. In mammals, the two light chains in an antibody are always identical, with only one type of light chain, kappa or lambda. The ratio of Kappa to Lambda is 70:30. However, with the occurrence of multiple myeloma or other B-cell malignancies this ratio is disturbed. Antibody to the kappa light chain is reportedly useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is malignant.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Tonsil stained with Kappa Light Chain Monoclonal Antibody (KLC709).