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Product datasheet for AM50290PU-T

IGKC Mouse Monoclonal Antibody [Clone ID: KLC709]

Product data:

Product Type:	Primary Antibodies
Clone Name:	KLC709
Applications:	FC, IHC
Recommended Dilution:	**ELISA:** Use Antibody without BSA for Coating. **Flow Cytometry:** 0.5-1 µg/10^6 cells. **Immunohistochemistry on Frozen Sections:** 0.5-1 µg/ml for 30 min at RT. ***Positive Control***: 293T, Raji or hPBL cells, Tonsil or Spleen.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human Ig kappa chain.
Specificity:	This MAb is specific to kappa light chain of immunoglobulin and shows no cross-reaction with lambda light chain or any of the five heavy 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. ***Cellular Localization***: Cell Surface, cytoplasmic and secreted.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.

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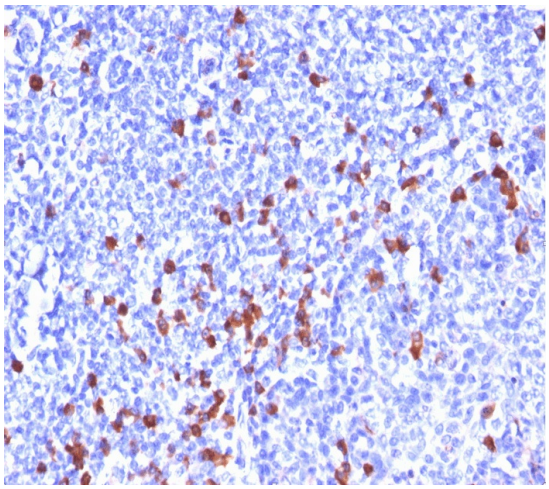
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~22.5 kDa
Gene Name:	immunoglobulin kappa constant
Database Link:	Entrez Gene 3514 Human P01601
Synonyms:	HCAK1, Ig Kappa Chain C Region, IGKC, Immunoglobulin KM

Product images:



Formalin-Fixed, Paraffin-Embedded Human tonsil stained with Kappa Light Chain Antibody (Clone KLC709). Note cell membrane & cytoplasmic staining.