

Mouse anti-Human Kappa Light Chain Monoclonal Antibody | anti-IGKC antibody

Kappa Light Chain (B-Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62510	Mouse	Human	Immunohistochemistry, Western Blot, Flow Cytometry, Functional Assay

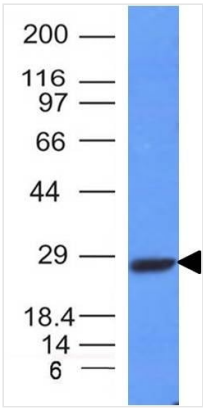
PRODUCT SYNONYMS

Kappa Light Chain; Monoclonal Antibody; Kappa Light Chain (B-Cell Marker) Mouse Monoclonal Antibody; HCAK1; Ig Kappa Chain C Region; IGKC; Immunoglobulin KM; anti-IGKC antibody

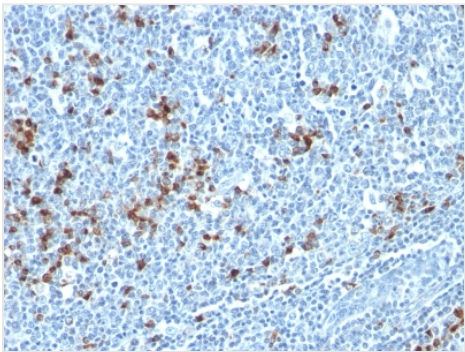
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	HP6053 + L1C1
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.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	117
Applicable Applications for anti-IGKC antibody	IHC (Immunohistochemistry), WB (Western Blot), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface, Cytoplasmic and Secreted
Immunogen	Purified human Ig kappa chain (HP6053) & Human B-Lymphoma Cells (L1C1)
Hu-Chromosome Location	2p11.2
Positive Control	293T, Raji or hPBL cells. Tonsil or Spleen
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



WB (Western Blot)
Western Blot Analysis of Raji Cell Lysate using Kappa Light Chain Monoclonal Antibody (HP6053 + L1C1).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with Kappa Light Chain Monoclonal Antibody (HP6053 + L1C1).

ADDITIONAL INFORMATION

References	Takahashi H et. al. Pathol Res Prac 189:300-311 (1993).2. Momose H et. al. Hum Pathol. 23:1115-1119 (1992)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	857434459
NCBI GeneID	3514
UniProt Accession #	P01601; A0A0B4J1Z3; P01834; P04431
Molecular Weight	~22.5kDa
NCBI Official Full Name	Ig kappa chain V-ID region 16
NCBI Official Synonym Full Names	immunoglobulin kappa constant
NCBI Official Symbol	IGKC
NCBI Official Synonym Symbols	Km; HCAK1; IGKCD
UniProt Protein Name	Ig kappa chain V-ID region 16
UniProt Gene Name	IGKV1D-16
UniProt Entry Name	KV109_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/kappa-light-chain-antibody-clone-hp6053-l1c1-immunohistochemistry-western-blot-flow-cytometry-elisa/62510>