

Mouse anti-Human Lambda Light Chain Monoclonal Antibody | anti-IGL antibody

Lambda Light Chain (B-Cell Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215032	Mouse	Human	Immunofluorescence, Flow Cytometry, Functional Assay

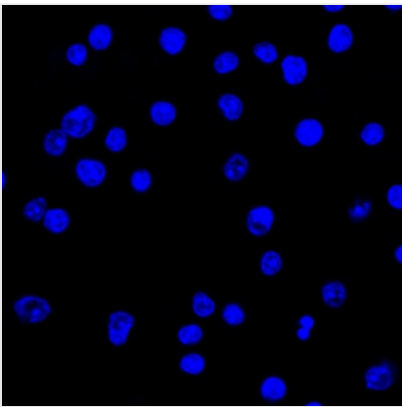
PRODUCT SYNONYMS

Lambda Light Chain; Monoclonal Antibody; Lambda Light Chain (B-Cell Marker); Bence Jones Protein; BJP; IGLC 1/2/3; Mcg Marker; Paraprotein; anti-IGL antibody

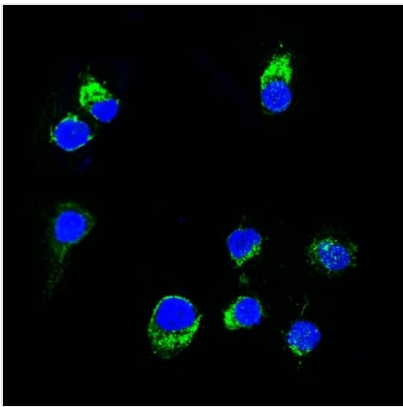
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	HP6054
Specificity	This MAb is specific to lambda 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 lambda 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.
Purity/Purification	Purified Ab conjugated to CF488
Form/Format	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.
Sequence Length	111
Applicable Applications for anti-IGL antibody	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Positive Control	293T, Raji or hPBL cells. Tonsil or Spleen.
Immunogen	Purified human IgG myeloma proteins coupled to polyaminostyren microbeads
Cellular Localization	Cell Surface, Cytoplasmic and Secreted
Hu-chromosome Location	22q11.22
Preparation and Storage	Antibody with azide: store at 4 to 8 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IF (Immunofluorescence)
Confocal Immunofluorescent analysis of Ramos cells using CF488-labeled Isotype Control Monoclonal Antibody (IgG2a) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control)



IF (Immunofluorescence)
Confocal Immunofluorescent analysis of Ramos cells using CF488-labeled Lambda Light Chain Monoclonal Antibody (HP6054) (Green). DAPI was used to stain the cell nuclei (blue).

ADDITIONAL INFORMATION

References	Reimer et al. Hybridoma 3: 263, 1984.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126541
UniProt Accession #	P01701; P01842
Molecular Weight	~22.5kDa
NCBI Official Full Name	Ig lambda chain V-I region NEW
UniProt Protein Name	Ig lambda chain V-I region NEW
UniProt Entry Name	LV103_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/lambda-light-chain-antibody-clone-hp6054-immunofluorescence-flow-cytometry-elisa/215032>