Mouse anti Kappa Light Chain Monoclonal Antibody

Alternative Name(s): Kappa Light Chain

Order Information

- **Description:** Kappa Light Chain
- **Catalogue:** 603-120
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** L1C1
- **Application:** IHC(P), FACS
- **Reactivity:** Hu

ANTIGEN PREPARATION

Immunoglobulin kappa light chain

BACKGROUND

Kappa light chains are polypeptide chains resided in the cell membrane and cytoplasmic regions of normal B cells and plasma cells. The combination of kappa light chains and heavy chains forms immunoglobulin molecules. There are two classes of light chains found in immunoglobulins, kappa light chains and lambda light chains. Individual lymphoid cell only contains a single light chain class. This clonal restriction may be used to indicate the polyclonal or monoclonal nature of B cell and plasma cell populations. The ratio of kappa to lambda is about 2:1. The level of kappa or lambda can be greatly elevated in serum of patients with multiple myeloma or other B cell malignancies.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Kappa Light Chain protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 22.5
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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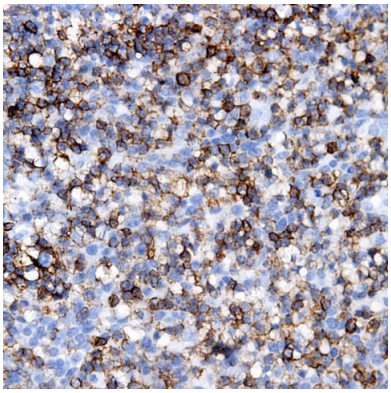
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti- Kappa light chain (Clone L1C1) (Cat603-120) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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