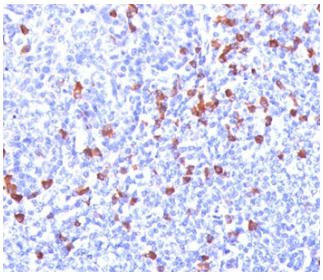
Kappa Light Chain Antibody L1C1 / Mouse Monoclonal [clone L1C1] (V2145)

Catalog No.	Formulation	Size
V2145-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2145-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2145SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2145IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

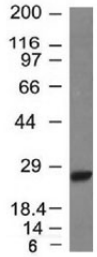
Citations (7)

Bulk quote request

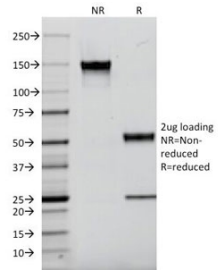
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	L1C1
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3514
Localization	Cell surface, cytoplasmic and secreted
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Kappa Light Chain Antibody L1C1 is available for research use only.



Kappa Light Chain Antibody L1C1 IHC: Formalin/paraffin human tonsil stained with Kappa Light Chain antibody (clone L1C1). Note cell membrane & cytoplasmic staining.



Kappa Light Chain Antibody L1C1 WB. Western blot testing of Raji lysate with Kappa Light Chain antibody (clone L1C1).



SDS-PAGE Analysis of Purified, BSA-Free Kappa Light Chain Antibody (clone L1C1). Confirmation of Integrity and Purity of the Antibody.

Description

Kappa Light Chain Antibody L1C1 is specific to the 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. In general, the ratio of Kappa to Lambda is 3:1. 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.

For detection of total human kappa light chain, see our Human Kappa Light Chain ELISA Antibody RM126 page.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Kappa Light Chain Antibody L1C1 to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human B-Lymphoma Cells were used as the immunogen for this Kappa Light Chain Antibody L1C1.

Storage

Store the Kappa Light Chain Antibody L1C1 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

HCAK1; Ig Kappa Chain C Region; IGKC; Immunoglobulin KM, Kappa antibody

References (2)

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