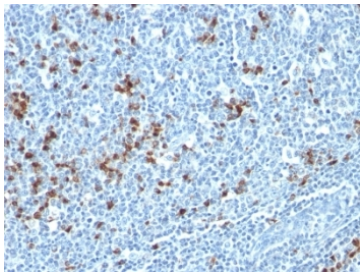
Kappa Light Chain Antibody Cocktail [clone HP6053 + L1C1] (V3149)

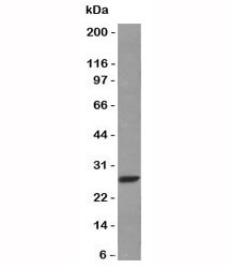
Catalog No.	Formulation	Size
V3149-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3149-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3149SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3149IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa + IgG1 kappa
Clone Name	HP6053 + L1C1
Purity	Protein G affinity chromatography
UniProt	P01601, P01834
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 cocktail is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human tonsil stained with Kappa Light Chain antibody (HP6053 + L1C1).



Western blot analysis of Raji cell lysate using Kappa Light Chain antibody (HP6053 + L1C1).

Description

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.

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

Application Notes

The optimal dilution of the Kappa Light Chain antibody for each application should be determined by the researcher.

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

Purified human Ig kappa chain (HP6053) and human B-lymphoma cells (L1C1) were used as the immunogens for this Kappa Light Chain antibody cocktail.

Storage

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

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