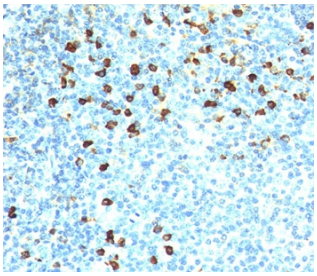
Kappa Antibody [clone KLC264] (V2146)

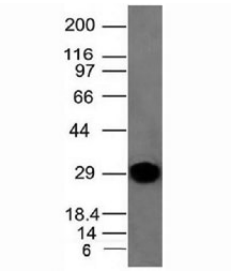
Catalog No.	Formulation	Size
V2146-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2146-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2146SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2146IHC-7ML	Prediluted 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

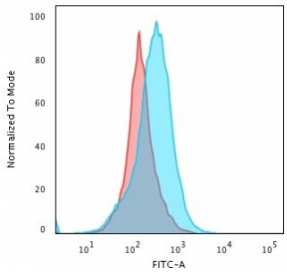
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KLC264
Purity	Protein G affinity chromatography
Gene ID	3514
Localization	Cell surface, cytoplasmic and secreted
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10^6 cells Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **Kappa antibody** is available for research use only.



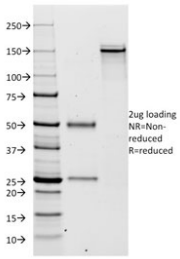
IHC testing of human tonsil stained with Kappa antibody (clone KLC264). Note cell membrane & cytoplasmic staining.



Western blot analysis of human spleen tissue and Kappa antibody (clone KLC264).



Flow cytometry testing of PFA-fixed human Raji cells with Kappa antibody (clone KLC264); Red=isotype control, Blue= Kappa antibody.



SDS-PAGE analysis of purified, BSA-free Kappa antibody (clone KLC264) as confirmation of integrity and purity.

Description

This antibody 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.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Kappa antibody 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

Recombinant human Kappa light chain was used as the immunogen for this Kappa antibody.

Storage

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

References (2)