Kappa Light Chain (B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone L1C1]

Catalog No	Format	Size
3514-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
3514-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
3514-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

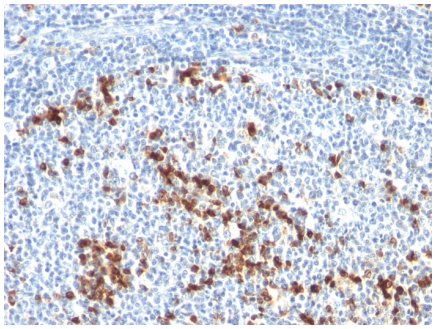
Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details

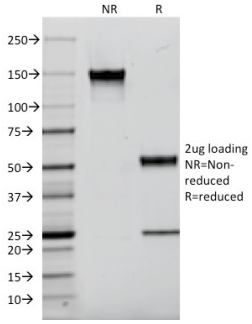
Clone	L1C1
Gene Name	IGKV1D-16
Immunogen	Human B-Lymphoma Cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~22.5kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	293T, Raji or hPBL cells. Tonsil or Spleen.

**Optimal dilution for a specific application should be determined.*

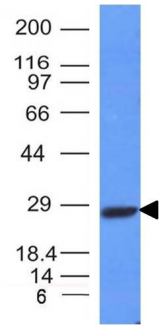
Product Images for Kappa Light Chain (B-Cell Marker) Antibody



Formalin-fixed, paraffin-embedded human Tonsil stained with Kappa Light Chain Mouse Monoclonal Antibody (L1C1).



SDS-PAGE Analysis of Purified Kappa Light Chain Mouse MonoclonalAntibody (L1C1). Confirmation of Integrity and Purity of Antibody



Western Blot Analysis of Raji cell lysate using Kappa Light Chain Mouse Monoclonal Antibody (L1C1).

Specificity & Comments

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.

Research Areas

B Cell Markers

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.