

Kappa Light Chain (B-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone KLC264]

Catalog No	Format	Size
3514-MSM2-CF488-100T	Purified Ab conjug	ed to CF488

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml

Product Details	
Clone	KLC264
Gene Name	IGKV1D-16
Immunogen	Recombinant human Ig kappa chain
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	~22.5kDa
Cellular Localization	Cell surface, cytoplasmic and 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

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

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);Optimal dilution for a specific application should be determined.

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.

Supplied As

Antibody Purified from Bioreactor Concentrate by Protein A/G and conjugated to various reporter molecules. Prepared in 10mM PBS with 0.05% BSA and 0.05% azide. Contact us if you require this Ab in a different format.

Storage and Stability

Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.