9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-2574: Anti-Lambda Light Chain (B-Cell Marker) Monoclonal Antibody(Clone: LcN-2)-CF488

Clonality :	Monoclonal
Clone Name :	LcN-2
Application :	FACS,IF
Reactivity :	Human
Conjugate :	CF488
Gene :	IGL
Gene ID :	3535; 3546
Uniprot ID :	P01701; P01842
Alternative Name :	Bence Jones Protein; BJP; IGLC 1/2/3; Mcg Marker; Paraprotein
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Purified human IgG

Description

This MAb is specific to lambda 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 lambda 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.

Product Info

Amount :	0.5 ml at 100µg/ml
Content :	Antibody Purified from Bioreactor Concentrate by Protein A/G and conjµgated 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 condition :	Antibody with azide - store at 4 to 8°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (5ul per test per one million cells or 5ul per 100ul of whole blood);Immunofluorescence (1:50-1:100);

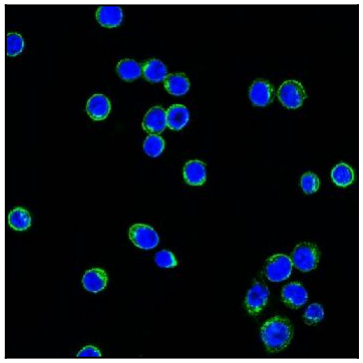

Fig. 1: Confocal Immunofluorescent analysis of Ramos cells using CF488-labeled Lambda Light Chain Monoclonal Antibody (LcN-2) (Green). DAPI was used to stain the cell nuclei (blue).

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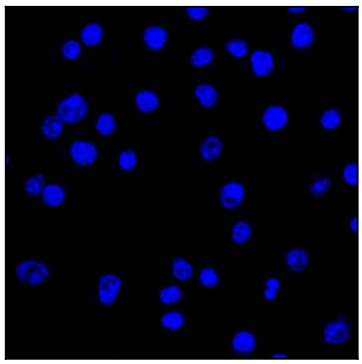

Fig. 2: Confocal Immunofluorescent analysis of Ramos cells using CF488-labeled Isotype Control Monoclonal Antibody (IgG2a) (Green). DAPI was used to stain the cell nuclei (blue). (Negative Control)