Datasheet for ABIN94406
anti-kappa Light Chain antibody

3	Images

Overview

Quantity:	0.1 mg
Target:	kappa Light Chain
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This kappa Light Chain antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA, Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

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Immunogen:	Crude thymus membrane fraction.
Clone:	MEM-09
Isotype:	IgG1
Specificity:	The antibody MEM-09 reacts with both secreted and B cell-surface human immunoglobulin, specifically reacts with kappa light chains (22.5 kDa). Material immunoprecipitated from human serum with the antibody MEM-09 consists of IgG and traces of IgM.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	kappa Light Chain
Alternative Name:	Kappa light chains (kappa Light Chain Products)
Background:	Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (kappa, lambda, both having a molecular weight of 22.5 kDa). Kappa and lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of kappa to lambda is 70:30.,Immunoglobulin kappa, Igk

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Images

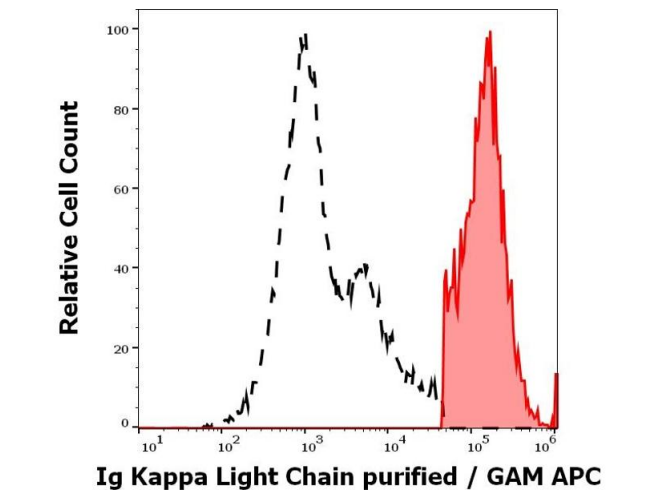Ig Kappa Light Chain purified / GAM APC
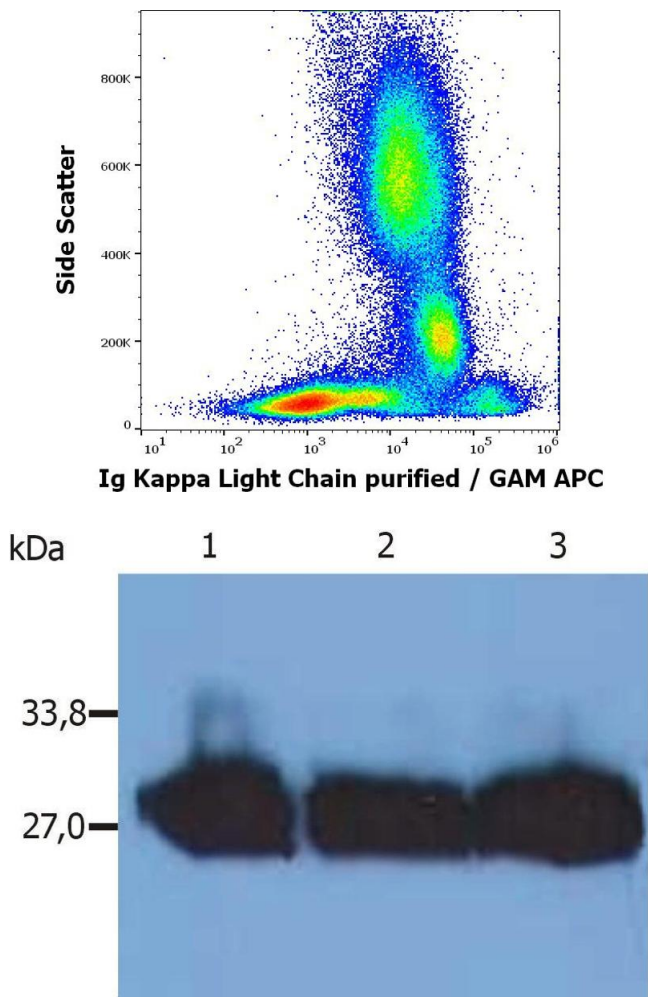
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human Ig Kappa Light Chain (MEM-09) purified antibody (concentration in sample 3 µg/mL) GAM APC.

Western Blotting

Image 2. Western Blotting analysis (reducing conditions) of human blood sera using anti-human Immunoglobulin kappa-chain (MEM-09). Lane 1-3: Human blood serum of different healthy donors

Ig Kappa Light Chain purified / GAM APC

Flow Cytometry

Image 3. Separation of human Ig Kappa Light Chain positive lymphocytes (red-filled) from Ig Kappa Light Chain negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human Ig Kappa Light Chain (MEM-09) purified antibody (concentration in sample 3 µg/mL) GAM APC.