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

10-7514: Monoclonal Antibody to Kappa (Clone: ABM3A47)

Clonality :	Monoclonal
Clone Name :	ABM3A47
Application :	IHC,FACS,WB
Reactivity :	Human
Gene :	IGKV1D-16
Gene ID :	28901
Uniprot ID :	P01601
Format :	Purified
Alternative Name :	IGKV1D-16
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	B lymphoma cells are used as immunogen for this antibody.

Description

The kappa light chain antibody recognizes the kappa light chain of immunoglobulin. The kappa light chain itself is one of the two small polypeptide subunits of an antibody, the other being lambda. Antibodies are produced by the B-cells in lymphoid tissue. Each B lymphocyte expresses either lambda or kappa light chain but never both together. Hence, the kappa light chain antibody is a useful marker for identifying B lymphocytes expressing kappa light chain.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemical analysis: 1:400-1:800, Western blot analysis: 0.1-0.5 µg/ml, Flowcytometric analysis: 0.5-1 µg/10^6 cells

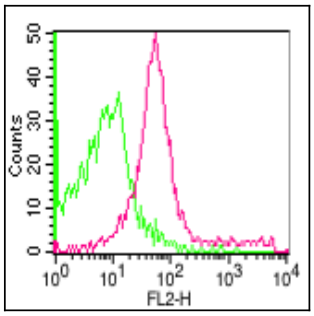


Figure-1: Cell surface staining of PBMC, Lymhocytes gated. 0.5 µl of Kappa antibody was used.

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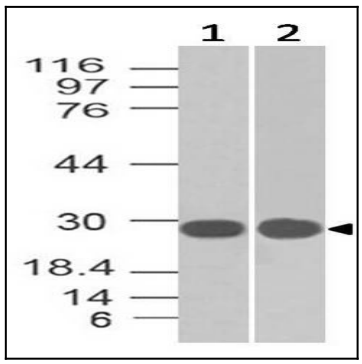


Figure-2: Western blot analysis of Kappa. Anti-Kappa antibody (Clone: ABM3A47) was tested at 0.01 µg/ml on (1) h Spleen and (2) h Kidney lysates.

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