

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM3A47
<b>Application :</b>	IHC,FACS,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	IGKV1D-16
<b>Gene ID :</b>	28901
<b>Uniprot ID :</b>	P01601
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IGKV1D-16
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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<sup>6</sup> cells

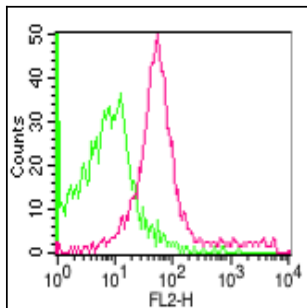


Figure-1: Cell surface staining of PBMC, Lymphocytes gated. 0.5 µl of Kappa antibody was used.

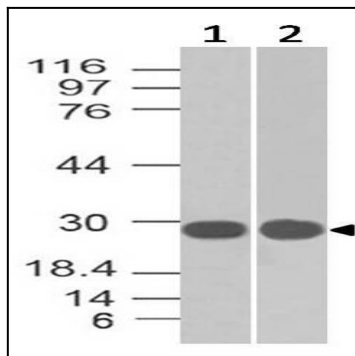


Figure-2: Western blot analysis of Kappa. Anti-Kappa antibody (Clone: ABM3A47) was tested at 0.01  $\mu\text{g/ml}$  on (1) h Spleen and (2) h Kidney lysates.