

## 30-2248: PE Conjugated Anti-Kappa light chains Monoclonal Antibody (Clone:A8B5)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	A8B5
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Gene :</b>	IGKV3-20
<b>Gene ID :</b>	28912
<b>Uniprot ID :</b>	P01619
<b>Alternative Name :</b>	IGKV3-20
<b>Isotype :</b>	Mouse IgG1

### Description

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 22.5kDa). 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.

### Product Info

<b>Amount :</b>	100 tests
<b>Storage condition :</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

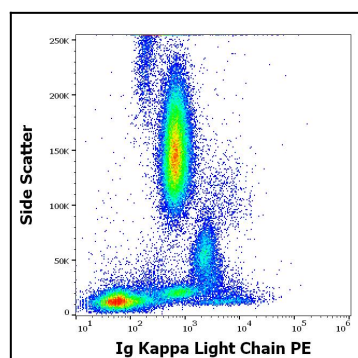


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human Ig Kappa Light Chain (A8B5) PE antibody (20 µl reagent / 100 µl of peripheral whole blood).

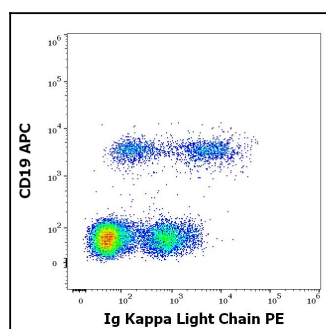


Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD19 (LT19) APC antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human Ig Kappa Light Chain (A8B5) PE antibody (20 µl reagent / 100 µl of peripheral whole blood).

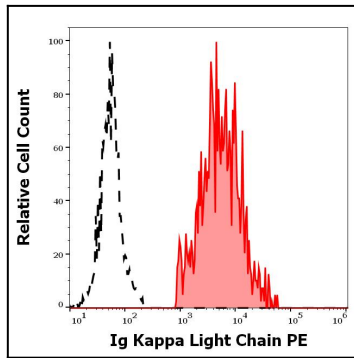


Figure 3: Separation of human Ig Kappa Light Chain positive CD19 positive B cells (red-filled) from Ig Kappa Light Chain negative CD19 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human Ig Kappa Light Chain (A8B5) PE antibody (20  $\mu$ l reagent / 100  $\mu$ l of peripheral whole blood).