

## TECHNICAL DATA SHEET

### CyFlow™ Kappa-LC FITC Anti-Hu; Clone A8B5

**REF** AD141331

**For Research Use Only.  
Not for use in diagnostic or therapeutic procedures.**

### Specifications

<b>Antigen</b>	κ light chains
<b>Alternative Names</b>	—
<b>Clone</b>	A8B5
<b>Clonality</b>	monoclonal
<b>Format</b>	FITC
<b>Host / Isotype</b>	Mouse / IgG1
<b>Species Reactivity</b>	Human
<b>Negative Species Reactivity</b>	Sheep   Goat   Rabbit   Guinea pig   Hamster
<b>Quantity</b>	100 tests
<b>Immunogen</b>	< no data >

### Specificity

The mouse monoclonal antibody A8B5 recognizes κ light chains (22.5 kDa) of immunoglobulins.

#### Contact Information:

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## Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 20 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

## Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

## Storage and Stability

<b>Storage</b>	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
<b>Stability</b>	Do not use after expiration date stamped on vial label.

## Background Information

Immunoglobulin classes share the same basic four polypeptide chain structure of two heavy chains (five heavy chains types) and two light chains (κ and λ; both having a molecular weight of 22.5kDa). κ and λ 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 κ to λ is 70:30.

## References

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The Safety Data Sheet for this product is available at [www.sysmex-partec.com/services](http://www.sysmex-partec.com/services).

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