# TECHNICAL DATA SHEET

# CyFlow™ Kappa-LC Biotin
# Anti-Hu; Clone TB28-2

**REF** **CA388668**

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

## Specifications

| | |
|---|---|
| **Antigen** | κ light chains |
| **Alternative Names** | — |
| **Clone** | TB28-2 |
| **Clonality** | monoclonal |
| **Format** | Biotin |
| **Host / Isotype** | Mouse / IgG1 |
| **Species Reactivity** | Human |
| **Negative Species Reactivity** | — |
| **Quantity [Concentration]** | 0.1 mg [ 1 mg/ml ] |
| **Immunogen** | Human IgG-κ myeloma protein |

## Specificity

The mouse monoclonal antibody TB28-2 recognizes human Ig κ light chains of both secreted and cell surface immunoglobulin. It detects also free κ light chains.

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## Application

The reagent is designed for indirect immunofluorescence analysis by Flow Cytometry. Working concentrations should be determined by the investigator.
Other usages may be determined from the scientific literature.

## Storage Buffer

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

## Storage and Stability

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|---|---|
| **Storage** | Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze. |
| **Stability** | 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.

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