

## TECHNICAL DATA SHEET

### CyFlow™ CD56 PE Anti-Hu; Clone LT56

**REF** BP730667

**For Research Use Only.**

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

### Specifications

|                                    |                |
|------------------------------------|----------------|
| <b>Antigen</b>                     | CD56           |
| <b>Alternative Names</b>           | NCAM           |
| <b>Clone</b>                       | LT56           |
| <b>Clonality</b>                   | monoclonal     |
| <b>Format</b>                      | PE             |
| <b>Host / Isotype</b>              | Mouse / IgG2a  |
| <b>Species Reactivity</b>          | Human          |
| <b>Negative Species Reactivity</b> | —              |
| <b>Quantity</b>                    | 100 tests      |
| <b>Immunogen</b>                   | Cell line KG1a |

### Specificity

The mouse monoclonal antibody LT56 recognizes CD56 antigen, a transmembrane glycoprotein expressed ubiquitously in the nervous system and found also on T cells and NK cells.

#### Contact Information:

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## Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10<sup>6</sup> cells in a suspension. The content of a vial (1 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

CD56 (NCAM; neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumors.

## References

- Unpublished.

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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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