

## TECHNICAL DATA SHEET

### CyFlow™ CD62L Purified Anti-Ms; Clone MEL-14

**REF** CX209714

**For Research Use Only.**

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

### Specifications

|                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>Antigen</b>                     | CD62L                               |
| <b>Alternative Names</b>           | L-selectin                          |
| <b>Clone</b>                       | MEL-14                              |
| <b>Clonality</b>                   | monoclonal                          |
| <b>Format</b>                      | Purified                            |
| <b>Host / Isotype</b>              | Rat / IgG2a                         |
| <b>Species Reactivity</b>          | Mouse                               |
| <b>Negative Species Reactivity</b> | —                                   |
| <b>Quantity [Concentration]</b>    | 0.1 mg [ 1 mg/ml ]                  |
| <b>Immunogen</b>                   | C3H/eb mouse B cell lymphoma 38C-13 |

### Specificity

The rat monoclonal antibody MEL-14 recognizes mouse CD62L, a 75 kDa single chain type I glycoprotein expressed on most peripheral blood B lymphocytes, T lymphocytes, monocytes and granulocytes; it is also present on a subset of NK cells and certain hematopoietic malignant cells.

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## Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Immunohistochemistry
- Immunocytochemistry
- Functional assays

## Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH  $\approx$ 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

CD62L (L-selectin) is an adhesion glycoprotein that is constitutively expressed on the cell surface of leukocytes and mediates their homing to inflammatory sites and peripheral lymph nodes by enabling rolling along the venular wall. CD62L is also involved in activation-induced neutrophil aggregation. Activation-dependent CD62L shedding, however, counteracts neutrophil rolling. CD62L has also signaling roles including enhance of chemokine receptor expression. Similarly to CD62P, the major ligand of CD62L is PSGL-1 (P-selectin glycoprotein ligand-1).

## 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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