

## Product Datasheet

### CD56 Antibody (PerCP) (orb308751)

|                             |                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>       | orb308751                                                                                                                                                                                                                 |
| <b>Category</b>             | Antibodies                                                                                                                                                                                                                |
| <b>Description</b>          | Mouse monoclonal antibody against CD56 conjugated to PerCP.                                                                                                                                                               |
| <b>Target</b>               | CD56                                                                                                                                                                                                                      |
| <b>Clonality</b>            | Monoclonal                                                                                                                                                                                                                |
| <b>Isotype</b>              | Mouse IgG2a kappa                                                                                                                                                                                                         |
| <b>Conjugation</b>          | PerCP                                                                                                                                                                                                                     |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                     |
| <b>Buffer/Preservatives</b> | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide                                                                                                                                                   |
| <b>Purification</b>         | Purified antibody is conjugated with activated Peridinin-Chlorophyll Protein (PerCP) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.               |
| <b>Immunogen</b>            | Cell line KG1a                                                                                                                                                                                                            |
| <b>UniProt ID</b>           | <b>P13591</b>                                                                                                                                                                                                             |
| <b>Tested applications</b>  | FC                                                                                                                                                                                                                        |
| <b>Application notes</b>    | Flow cytometry: The reagent is designed for analysis of human blood cells using 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. |
| <b>Specificity</b>          | The mouse monoclonal antibody LT56 recognizes an extracellular epitope of CD56 (NCAM), a transmembrane glycoprotein expressed ubiquitously in the nervous system and found also on T cells and NK cells.                  |

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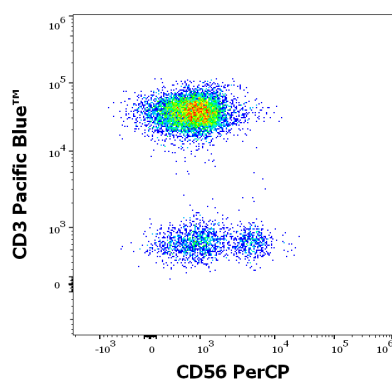
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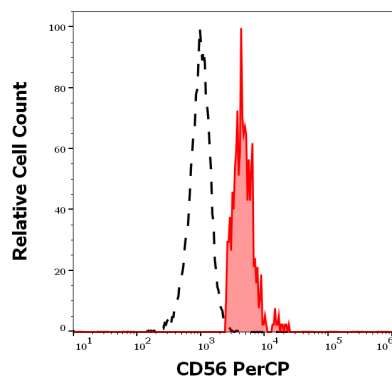
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|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| <b>Antibody Type</b>   | Primary Antibody                                                         |
| <b>Clone Number</b>    | LT56                                                                     |
| <b>Storage</b>         | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze. |
| <b>Note</b>            | For research use only                                                    |
| <b>Entrez</b>          | <b>4684</b>                                                              |
| <b>Expiration Date</b> | 12 months from date of receipt.                                          |



Flow cytometry multicolor surface staining of human lymphocytes stained using anti-human CD56 (LT56) PerCP antibody (10 µl reagent / 100 µl of peripheral whole blood) and anti-human CD3 (UCHT1) Pacific Blue™ antibody (4 µl reagent / 100 µl of peripheral whole blood).



Separation of human CD56 positive CD3 negative lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD56 (LT56) PerCP antibody (10 µl reagent / 100 µl of peripheral whole blood).

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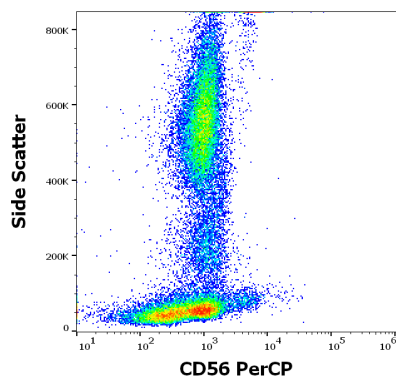
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Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD56 (LT56) PerCP antibody (10 µl reagent / 100 µl of peripheral whole blood).

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