

## Product Datasheet

### CD107b Antibody (FITC) (orb154487)

|                             |  |
|-----------------------------|--|
| <b>Catalog Number</b>       | orb154487  |
| <b>Category</b>             | Antibodies   |
| <b>Description</b>          | Mouse monoclonal antibody conjugated to FITC which recognizes CD107b that is also known as LAMP2, is a member of a family of membrane glycoproteins. This glycoprotein provides selectins with carbohydrate ligands. LAMP2 is expressed in the membranes of intracellular granules that contain effector molecules such as perforin, granzymes, eicosanoids, and histamine. It may function in protection of the lysosomal membrane from autodigestion, maintenance of the acidic environment of the lysosome, adhesion. |
| <b>Target</b>               | CD107b   |
| <b>Clonality</b>            | Monoclonal   |
| <b>Isotype</b>              | Mouse IgG1 kappa   |
| <b>Conjugation</b>          | FITC   |
| <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 fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.  |
| <b>Immunogen</b>            | Human PBMC   |
| <b>UniProt ID</b>           | <b>P13473</b>  |
| <b>Tested applications</b>  | FC   |

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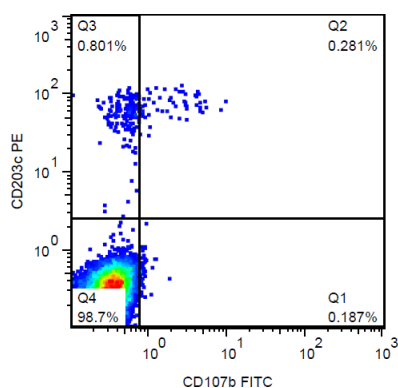
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|                          |  |
|--------------------------|--|
| <b>Application notes</b> | Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. Intracellular and extracellular staining. |
| <b>Specificity</b>       | The mouse monoclonal antibody H4B4 recognizes an extracellular/luminal epitope of CD107b / LAMP-2, an extensively glycosylated 100-120 kDa widely expressed lysosome-associated protein.   |
| <b>Antibody Type</b>     | Primary Antibody   |
| <b>Clone Number</b>      | H4B4   |
| <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>3920</b>  |
| <b>Expiration Date</b>   | 12 months from date of receipt.  |



Flow cytometry analysis (surface staining) of IgE-stimulated human peripheral blood with anti-CD107b (H4B4) FITC.

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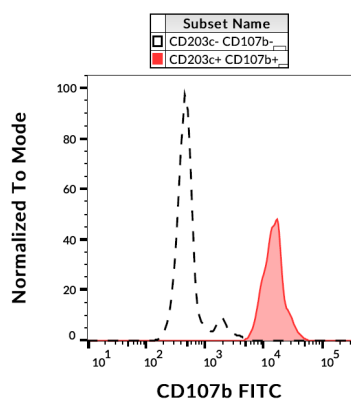
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