

Technical Data Sheet

Product **Anti-Hu CD107a PE-Cy™7**  
Cat. Number/Size **T7-671-T100** **100 tests**  
**For Research Use Only.**  
**Not for use in diagnostic or therapeutic procedures.**

|                     |  |
|---------------------|--|
| Antigen             | CD107a   |
| Clone               | H4A3   |
| Format              | PE-Cy™7  |
| Reactivity          | Human, Non-human primates, Mouse   |
| Application         | FC (QC tested)   |
| Application details | 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. |
| Excitation laser    | blue (488 nm)  |
| Isotype             | Mouse IgG1 kappa   |
| Specificity         | The mouse monoclonal antibody H4A3 recognizes an extracellular/luminal epitope of CD107a, an approximately 100-120 kDa glycoprotein expressed mainly on lysosomal, but also on the plasma membrane.  |
| Other names         | LAMP-1, LAMPA  |
| Workshop            | HLDA V   |
| Immunogen           | Human PBMC   |
| Entrez Gene ID      | 3916   |
| Gene name           | LAMP1  |
| NCBI Full Gene Name | lysosomal associated membrane protein 1  |
| UniProt ID          | P11279   |

|                      |   |
|----------------------|---|
| Preparation          | Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |
| Formulation          | Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide   |
| Storage and handling | Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.  |

Images and References [www.exbio.cz](http://www.exbio.cz)

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