

Technical Data Sheet

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| Product | Anti-Hu CD68 PE-Cy™7 | |
| Cat. Number/Size | T7-749-T100 | 100 tests |
| | For Research Use Only. | |
| | Not for use in diagnostic or therapeutic procedures. | |

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| Antigen | CD68 |
| Clone | Y1/82A |
| Format | PE-Cy™7 |
| Reactivity | Human |
| 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 ⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests. Intracellular staining. |
| Excitation laser | blue (488 nm) |
| Isotype | Mouse IgG2b |
| Specificity | The mouse monoclonal antibody Y1/82A recognizes CD68 (LAMP4), a 110 kDa glycoprotein expressed mainly in cytoplasmic granules of monocytes/macrophages, granulocytes, and dendritic cells. |
| Other names | GP110, LAMP4, SCARD1 |
| Workshop | HLDA IV, HLDA VI |
| Immunogen | Lysosomal contents of lung macrophages |
| Entrez Gene ID | 968 |
| Gene name | CD68 |
| NCBI Full Gene Name | CD68 molecule |
| UniProt ID | P34810 |

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| 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

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