

Technical Data Sheet

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| Product | Anti-Hu CD4 PE-Cy™7 | |
| Cat. Number/Size | T7-359-T025 | 25 tests |
| | T7-359-T100 | 100 tests |
| | For Research Use Only. | |
| | Not for use in diagnostic or therapeutic procedures. | |

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| Antigen | CD4 |
| Clone | MEM-241 |
| 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. |
| Excitation laser | blue (488 nm) |
| Isotype | Mouse IgG1 kappa |
| Specificity | The antibody MEM-241 recognizes an extracellular epitope of CD4 antigen, a 55 kDa transmembrane glycoprotein expressed on a subset of T lymphocytes ("helper" T-cells) and also on monocytes, tissue macrophages and granulocytes. |
| Other names | T4/Leu-3, L3T4 |
| Workshop | HLDA VIII: WS Code M241 |
| Immunogen | 2 N-terminal domains of human CD4 fused to human IgG1 Fc |
| Entrez Gene ID | 920 |
| Gene name | CD4 |
| NCBI Full Gene Name | CD4 molecule |
| UniProt ID | P01730 |

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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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