

Technical Data Sheet

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| Product | Anti-Hu CD3 PE-Cy™5 | |
| Cat. Number/Size | T8-514-T025 | 25 tests |
| | T8-514-T100 | 100 tests |
| | For Research Use Only. | |
| | Not for use in diagnostic or therapeutic procedures. | |

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| Antigen | CD3 |
| Clone | UCHT1 |
| Format | PE-Cy™5 |
| Reactivity | Non-human primates, 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. Extracellular and intracellular staining. |
| Excitation laser | blue (488 nm) |
| Isotype | Mouse IgG1 kappa |
| Specificity | The antibody UCHT1 recognizes an extracellular epitope on CD3 antigen of the TCR/CD3 complex on mature human T cells. The UCHT1 antibody reacts with the epsilon chain of the CD3 complex. |
| Other names | CD3E, T3E, TCRE |
| Workshop | HLDA I: WS Code T 3; HLDA III: WS Code T 126; HLDA III: WS Code T 471; HLDA VI: WS Code T 6T-CD3.1 |
| Immunogen | human thymocytes followed by Sezary T cells |
| Entrez Gene ID | 916 |
| Gene name | CD3E |
| NCBI Full Gene Name | CD3 antigen, epsilon polypeptide |
| UniProt ID | P07766 |

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| Preparation | Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 5 (PE-Cy™5) 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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