

Technical Data Sheet

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|------------------|---|------------------|
| Product          | <b>Anti-Hu TCR Cbeta1 PE</b>                                |                  |
| Cat. Number/Size | <b>1P-850-T100</b>  | <b>100 tests</b> |
|                  | <b>For Research Use Only.</b>                               |                  |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |                  |

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|---------------------|---|
| Antigen             | TCR Cbeta1  |
| Clone               | JOVI.1  |
| Format              | PE  |
| Reactivity          | Human   |
| Application         | FC (QC tested)  |
| Application details | Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| Excitation laser    | blue (488 nm)   |
| Isotype             | Mouse IgG2a kappa   |
| Specificity         | The mouse monoclonal antibody JOVI.1 recognizes an extracellular epitope on TCR Cbeta1 (TRBC1).   |
| Other names         | TCRCB1, TRBC1   |
| Immunogen           | thymus, spleen, and mesenteric lymph nodes isolated from a mouse transgenic for human TCR Vbeta3Cbeta1  |
| Entrez Gene ID      | 28639   |
| Gene name           | TRBC1   |
| NCBI Full Gene Name | T cell receptor beta constant 1   |
| UniProt ID          | P01850  |

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|----------------------|---|
| Preparation          | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. 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.  |

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

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