

Technical Data Sheet

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|------------------|---|------------------|
| Product          | <b>Anti-Hu CD86 PE-Cy™5</b>                                 |                  |
| Cat. Number/Size | <b>T8-531-T025</b>  | <b>25 tests</b>  |
|                  | <b>T8-531-T100</b>  | <b>100 tests</b> |
|                  | <b>For Research Use Only.</b>                               |                  |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |                  |

|                     |   |
|---------------------|---|
| Antigen             | CD86  |
| Clone               | BU63  |
| Format              | PE-Cy™5   |
| 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 <sup>6</sup> 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  |
| Specificity         | The mouse monoclonal antibody BU63 reacts with an extracellular epitope of CD86 (B7-2), a 70 kDa type I transmembrane glycoprotein of immunoglobulin supergene family, expressed on professional antigen-presenting cells, such as dendritic cells, macrophages or activated B lymphocytes. |
| Other names         | B7-2, FUN-1, LAB72  |
| Workshop            | HLDA V: WS Code BP BP072; HLDA V: WS Code A A109; HLDA VI: WS Code BP 95; HLDA VI: WS Code B CD86.9   |
| Immunogen           | B-lymphoblastoid cell line ARH 77   |
| Entrez Gene ID      | 942   |
| Gene name           | CD86  |
| NCBI Full Gene Name | CD86 molecule   |
| UniProt ID          | P42081  |

|                      |   |
|----------------------|---|
| 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](http://www.exbio.cz)

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