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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                        |                  |
| Product               | <b>Anti-Hu CD14 PE</b>                                                                                                                                                                                                                                                                                                      |                  |
| Cat. Number/Size      | <b>1P-212-T025</b>                                                                                                                                                                                                                                                                                                          | <b>25 tests</b>  |
|                       | <b>1P-212-T100</b>                                                                                                                                                                                                                                                                                                          | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                               |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                 |                  |
| Antigen               | CD14                                                                                                                                                                                                                                                                                                                        |                  |
| Clone                 | MEM-18                                                                                                                                                                                                                                                                                                                      |                  |
| Format                | PE                                                                                                                                                                                                                                                                                                                          |                  |
| Reactivity            | Human, Non-human primates                                                                                                                                                                                                                                                                                                   |                  |
| Application           | FC (QC tested)                                                                                                                                                                                                                                                                                                              |                  |
| Application details   | Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.                                                                                                   |                  |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                                                                                                                               |                  |
| Isotype               | Mouse IgG1                                                                                                                                                                                                                                                                                                                  |                  |
| Specificity           | The antibody MEM-18 reacts with CD14, a 53-55 kDa GPI (glycosylphosphatidylinositol)-linked extracellular membrane glycoprotein expressed on monocytes, macrophages and weakly on granulocytes; also expressed by most tissue macrophages. In human, the epitope recognized by MEM-18 is located between amino acids 57-64. |                  |
| Other names           | LPS-receptor, LPSR, MCLR                                                                                                                                                                                                                                                                                                    |                  |
| Workshop              | HLDA III: WS Code M 253; HLDA IV: WS Code M 314; HLDA V: WS Code M MA087; HLDA VI: WS Code M MA95                                                                                                                                                                                                                           |                  |
| Immunogen             | A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine of a patient suffering from proteinuria.                                                                                                                                                                                         |                  |
| Entrez Gene ID        | 929                                                                                                                                                                                                                                                                                                                         |                  |
| Gene name             | CD14                                                                                                                                                                                                                                                                                                                        |                  |
| NCBI Full Gene Name   | CD14 molecule                                                                                                                                                                                                                                                                                                               |                  |
| UniProt ID            | P08571                                                                                                                                                                                                                                                                                                                      |                  |
| 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.                                                                                                                                                                                                                                                    |                  |
| Images and References | www.exbio.cz                                                                                                                                                                                                                                                                                                                |                  |

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