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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                                          |               |
| Product               | <b>Anti-Ms CD25 PE</b>                                                                                                                                                                                                                                                                                                                                        |               |
| Cat. Number/Size      | <b>1P-614-C100</b>                                                                                                                                                                                                                                                                                                                                            | <b>0.1 mg</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                                 |               |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                                   |               |
| Antigen               | CD25                                                                                                                                                                                                                                                                                                                                                          |               |
| Clone                 | PC61.5                                                                                                                                                                                                                                                                                                                                                        |               |
| Format                | PE                                                                                                                                                                                                                                                                                                                                                            |               |
| Reactivity            | Mouse                                                                                                                                                                                                                                                                                                                                                         |               |
| Application           | FC (QC tested)                                                                                                                                                                                                                                                                                                                                                |               |
| Application details   | Flow cytometry: Recommended dilution: 1-5 µg/ml.                                                                                                                                                                                                                                                                                                              |               |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                                                                                                                                                                 |               |
| Isotype               | Rat IgG1 lambda                                                                                                                                                                                                                                                                                                                                               |               |
| Specificity           | The rat monoclonal antibody PC61.5 (PC61.5.3) recognizes an extracellular epitope of CD25 (Interleukin-2 receptor alpha chain), a 55 kDa type I transmembrane glycoprotein expressed on activated B and T lymphocytes, activated monocytes/macrophages and on CD4 <sup>+</sup> T lymphocytes (T regulatory cells); it is lost on resting B and T lymphocytes. |               |
| Other names           | IL-2R α chain, IL-2-RA, IL2-RA, p55, TAC antigen, IDDM10                                                                                                                                                                                                                                                                                                      |               |
| Immunogen             | B6.1 CTL cell line                                                                                                                                                                                                                                                                                                                                            |               |
| Entrez Gene ID        | 16184                                                                                                                                                                                                                                                                                                                                                         |               |
| Gene name             | Il2ra                                                                                                                                                                                                                                                                                                                                                         |               |
| NCBI Full Gene Name   | interleukin 2 receptor subunit alpha                                                                                                                                                                                                                                                                                                                          |               |
| UniProt ID            | P01590                                                                                                                                                                                                                                                                                                                                                        |               |
| Concentration         | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                     |               |
| Preparation           | Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.                                                                                                                                                                                 |               |
| Formulation           | 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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