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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                              |               |
| Product               | <b>Anti-Ms CD3 Purified Low Endotoxin</b>                                                                                                                                                                                                                                                                         |               |
| Cat. Number/Size      | <b>12-578-C100</b>                                                                                                                                                                                                                                                                                                | <b>0.1 mg</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                     |               |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                       |               |
| Antigen               | CD3                                                                                                                                                                                                                                                                                                               |               |
| Clone                 | 145-2C11                                                                                                                                                                                                                                                                                                          |               |
| Format                | Purified Low Endotoxin                                                                                                                                                                                                                                                                                            |               |
| Reactivity            | Mouse                                                                                                                                                                                                                                                                                                             |               |
| Application           | FC (QC tested), IP, IHC-F, ICC, FUNC                                                                                                                                                                                                                                                                              |               |
| Application details   | Functional application: Induction of T cell activation, proliferation or apoptosis (depending on conditions), in vivo T cell depletion.<br>Flow cytometry: Recommended dilution: 1-2 µg / ml (million cells).<br>Immunoprecipitation: Recommended dilution: 1-2 µg / 100-500 µg protein in 1 ml of a cell lysate. |               |
| Isotype               | Armenian Hamster IgG kappa                                                                                                                                                                                                                                                                                        |               |
| Specificity           | The Armenian hamster monoclonal antibody 145-2C11 reacts with an extracellular epitope of murine CD3 (epsilon subunit). This antibody is commonly used as a phenotypic marker for murine T cells.                                                                                                                 |               |
| Other names           | CD3E, T3E, TCRE                                                                                                                                                                                                                                                                                                   |               |
| Immunogen             | Mouse BM10-37 cytotoxic T lymphocytes                                                                                                                                                                                                                                                                             |               |
| Entrez Gene ID        | 12501                                                                                                                                                                                                                                                                                                             |               |
| Gene name             | CD3E                                                                                                                                                                                                                                                                                                              |               |
| NCBI Full Gene Name   | CD3 antigen, epsilon polypeptide                                                                                                                                                                                                                                                                                  |               |
| UniProt ID            | P22646                                                                                                                                                                                                                                                                                                            |               |
| Concentration         | 1 mg/ml                                                                                                                                                                                                                                                                                                           |               |
| Preparation           | Purified by protein-A affinity chromatography.                                                                                                                                                                                                                                                                    |               |
| Formulation           | Phosphate buffered saline (PBS), pH 7.4                                                                                                                                                                                                                                                                           |               |
| Storage and handling  | Store at 2-8°C. Do not freeze.                                                                                                                                                                                                                                                                                    |               |
| Images and References | www.exbio.cz                                                                                                                                                                                                                                                                                                      |               |

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