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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                          |               |
| Product               | <b>Anti-Ms CD4 Purified Azide Free</b>                                                                                                                                                                                                                                                                                                                                                        |               |
| Cat. Number/Size      | <b>10-580-C100</b>                                                                                                                                                                                                                                                                                                                                                                            | <b>0.1 mg</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                                                                 |               |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                                                                   |               |
| Antigen               | CD4                                                                                                                                                                                                                                                                                                                                                                                           |               |
| Clone                 | GK1.5                                                                                                                                                                                                                                                                                                                                                                                         |               |
| Format                | Purified Azide Free                                                                                                                                                                                                                                                                                                                                                                           |               |
| Reactivity            | Mouse                                                                                                                                                                                                                                                                                                                                                                                         |               |
| Application           | FC (QC tested), IP, IHC-F, ICC, FUNC                                                                                                                                                                                                                                                                                                                                                          |               |
| Application details   | Functional application: Isolation and depletion of CD4 <sup>+</sup> T cells, blocking of ligand binding to CD4.<br>Immunocytochemistry: Recommended dilution: 1-4 µg/ml.<br>Immunoprecipitation: Recommended dilution: 1-2 µg / 100-500 µg of protein in 1 ml lysate.<br>Flow cytometry: Recommended dilution: 1 µg/million cells.<br>Immunohistochemistry: Recommended dilution: 5-10 µg/ml. |               |
| Isotype               | Rat IgG2b                                                                                                                                                                                                                                                                                                                                                                                     |               |
| Specificity           | The rat monoclonal antibody GK1.5 reacts with an extracellular epitope of mouse CD4 transmembrane glycoprotein (55 kDa).                                                                                                                                                                                                                                                                      |               |
| Other names           | T4/Leu-3, L3T4                                                                                                                                                                                                                                                                                                                                                                                |               |
| Immunogen             | Mouse CTL clone V4 cells                                                                                                                                                                                                                                                                                                                                                                      |               |
| Entrez Gene ID        | 12504                                                                                                                                                                                                                                                                                                                                                                                         |               |
| Gene name             | CD4                                                                                                                                                                                                                                                                                                                                                                                           |               |
| NCBI Full Gene Name   | CD4 molecule                                                                                                                                                                                                                                                                                                                                                                                  |               |
| UniProt ID            | P06332                                                                                                                                                                                                                                                                                                                                                                                        |               |
| Concentration         | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                       |               |
| Preparation           | Purified by protein-G affinity chromatography.                                                                                                                                                                                                                                                                                                                                                |               |
| Formulation           | Phosphate buffered saline (PBS), pH 7.4                                                                                                                                                                                                                                                                                                                                                       |               |
| Storage and handling  | Store at 2-8°C. Do not freeze.                                                                                                                                                                                                                                                                                                                                                                |               |
| Images and References | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                                                                                                                                                                                                |               |

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