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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|                       | Technical Data Sheet                                                                                                                                                          |               |
| Product               | <b>Anti-Biotin PE</b>                                                                                                                                                         |               |
| Cat. Number/Size      | <b>1P-944-C100</b>                                                                                                                                                            | <b>0.1 mg</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                 |               |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                   |               |
| Antigen               | Biotin                                                                                                                                                                        |               |
| Clone                 | 1D4-C5                                                                                                                                                                        |               |
| Format                | PE                                                                                                                                                                            |               |
| Application           | FC (QC tested)                                                                                                                                                                |               |
| Application details   | Flow cytometry: Recomendated use: 1 µg/ml.                                                                                                                                    |               |
| Excitation laser      | blue (488 nm)                                                                                                                                                                 |               |
| Isotype               | Mouse IgG2a kappa                                                                                                                                                             |               |
| Specificity           | Mouse monoclonal antibody 1D4-C5 recognizes biotin and can be used as a second-step reagent for detecting biotinylated antigens.                                              |               |
| Other names           | vitamin H, vitamin B7                                                                                                                                                         |               |
| Immunogen             | biotinylated limulus hemocyanin                                                                                                                                               |               |
| Concentration         | 0.1 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           | 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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