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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                         |                  |
| Product               | <b>Anti-Hu CD20 PerCP</b>                                                                                                                                                                                                                                                                                                                    |                  |
| Cat. Number/Size      | <b>PC-638-T025</b>                                                                                                                                                                                                                                                                                                                           | <b>25 tests</b>  |
|                       | <b>PC-638-T100</b>                                                                                                                                                                                                                                                                                                                           | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                  |                  |
| Antigen               | CD20                                                                                                                                                                                                                                                                                                                                         |                  |
| Clone                 | 2H7                                                                                                                                                                                                                                                                                                                                          |                  |
| Format                | PerCP                                                                                                                                                                                                                                                                                                                                        |                  |
| Reactivity            | Human, Non-human primates                                                                                                                                                                                                                                                                                                                    |                  |
| Application           | FC (QC tested)                                                                                                                                                                                                                                                                                                                               |                  |
| Application details   | Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.                                                                                                                    |                  |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                                                                                                                                                |                  |
| Isotype               | Mouse IgG2b kappa                                                                                                                                                                                                                                                                                                                            |                  |
| Specificity           | The mouse monoclonal antibody 2H7 recognizes an extracellular epitope on CD20 (B1, Bp35), a 33-37 kDa non-glycosylated membrane receptor with four transmembrane domains, expressed on pre-B lymphocytes, resting and activated B cells (not plasma cells), follicular dendritic cells, and at low levels on peripheral blood T lymphocytes. |                  |
| Other names           | B1, S7, MS4A, Bp35, CVID5, LEU-16                                                                                                                                                                                                                                                                                                            |                  |
| Workshop              | HLDA IV: WS Code B201                                                                                                                                                                                                                                                                                                                        |                  |
| Immunogen             | Human tonsillar B cells                                                                                                                                                                                                                                                                                                                      |                  |
| Entrez Gene ID        | 931                                                                                                                                                                                                                                                                                                                                          |                  |
| Gene name             | CD20                                                                                                                                                                                                                                                                                                                                         |                  |
| NCBI Full Gene Name   | MS4A1                                                                                                                                                                                                                                                                                                                                        |                  |
| UniProt ID            | P11836                                                                                                                                                                                                                                                                                                                                       |                  |
| Preparation           | Purified antibody is conjugated with activated Peridinin-Chlorophyll Protein (PerCP) under optimum conditions and 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 | <a href="http://www.exbio.cz">www.exbio.cz</a>                                                                                                                                                                                                                                                                                               |                  |

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