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|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                        |                  |
| Product               | <b>Anti-Hu CD44 APC</b>                                                                                                                                                                                                                                                                                                     |                  |
| Cat. Number/Size      | <b>1A-341-T025</b>                                                                                                                                                                                                                                                                                                          | <b>25 tests</b>  |
|                       | <b>1A-341-T100</b>                                                                                                                                                                                                                                                                                                          | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                               |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                 |                  |
| Antigen               | CD44                                                                                                                                                                                                                                                                                                                        |                  |
| Clone                 | MEM-263                                                                                                                                                                                                                                                                                                                     |                  |
| Format                | APC                                                                                                                                                                                                                                                                                                                         |                  |
| Reactivity            | Pig, Human, Dog                                                                                                                                                                                                                                                                                                             |                  |
| 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      | red (633 nm)                                                                                                                                                                                                                                                                                                                |                  |
| Isotype               | Mouse IgG1                                                                                                                                                                                                                                                                                                                  |                  |
| Specificity           | The antibody MEM-263 reacts with extracellular (N-terminal) domain of standard CD44 (Phagocyte glycoprotein 1), a 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes. |                  |
| Other names           | PGP-I, HUTCH-I, ECMR-III, Hermes antigen, Hyaluronate receptor, Heparan sulfate proteoglycan, Epican, MC56, MIC4, INLU, LHR                                                                                                                                                                                                 |                  |
| Workshop              | HLDA III: WS Code T 155                                                                                                                                                                                                                                                                                                     |                  |
| Immunogen             | COS-7 cells (African Green Monkey).                                                                                                                                                                                                                                                                                         |                  |
| Entrez Gene ID        | 960                                                                                                                                                                                                                                                                                                                         |                  |
| Gene name             | CD44                                                                                                                                                                                                                                                                                                                        |                  |
| NCBI Full Gene Name   | CD44 molecule                                                                                                                                                                                                                                                                                                               |                  |
| UniProt ID            | P16070                                                                                                                                                                                                                                                                                                                      |                  |
| Preparation           | Purified antibody is conjugated with activated allophycocyanin (APC) 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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