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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                      |                  |
| Product               | <b>Anti-Hu CD231 PE</b>                                                                                                                                                                                                   |                  |
| Cat. Number/Size      | <b>1P-200-T100</b>                                                                                                                                                                                                        | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                             |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                               |                  |
| Antigen               | CD231                                                                                                                                                                                                                     |                  |
| Clone                 | B2D                                                                                                                                                                                                                       |                  |
| Format                | PE                                                                                                                                                                                                                        |                  |
| Reactivity            | Human                                                                                                                                                                                                                     |                  |
| 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 IgG1                                                                                                                                                                                                                |                  |
| Specificity           | The mouse monoclonal antibody B2D recognizes an extracellular epitope of CD231 (TALLA-1, tetraspanin 7), a transmembrane glycoprotein expressed in neuronal tissue and T-ALL.                                             |                  |
| Other names           | TSPAN7, TALLA-1, MXS1, MRX58, TM4SF2                                                                                                                                                                                      |                  |
| Immunogen             | Human T-ALL cell line THP-6                                                                                                                                                                                               |                  |
| Entrez Gene ID        | 7102                                                                                                                                                                                                                      |                  |
| Gene name             | TSPAN7                                                                                                                                                                                                                    |                  |
| NCBI Full Gene Name   | tetraspanin 7                                                                                                                                                                                                             |                  |
| UniProt ID            | P41732                                                                                                                                                                                                                    |                  |
| 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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