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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|                       | Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |
| Product               | <b>Anti-Hu CD95 PE-Cy™7</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| Cat. Number/Size      | <b>T7-362-T025</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>25 tests</b>  |
|                       | <b>T7-362-T100</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>100 tests</b> |
|                       | <b>For Research Use Only.</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
|                       | <b>Not for use in diagnostic or therapeutic procedures.</b>                                                                                                                                                                                                                                                                                                                                                                                 |                  |
| Antigen               | CD95                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |
| Clone                 | LT95                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  |
| Format                | PE-Cy™7                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |
| Reactivity            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |
| Application           | FC (QC tested)                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |
| Application details   | Flow cytometry: The reagent is designed for analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.                                                                                                                                                                                                                  |                  |
| Excitation laser      | blue (488 nm)                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |
| Isotype               | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| Specificity           | The antibody LT95 reacts with an extracellular epitope on CD95 (Fas/APO-1), a 46 kDa single chain type I glycoprotein of the tumour necrosis factor/nerve growth factor (TNF/NGF) receptor superfamily, expressed on a variety of normal and neoplastic cells. It seems that the antibody LT95 does not induce Fas mediated apoptosis, although it cross-blocks anti-Fas DX2 antibody that recognizes a functional epitope of Fas molecule. |                  |
| Other names           | FAS1, APT1, APO-1, FASTM, ALPS1A, TNFRSF6                                                                                                                                                                                                                                                                                                                                                                                                   |                  |
| Immunogen             | HUT-78 human T cell lymphoma cell line                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| Entrez Gene ID        | 355                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |
| Gene name             | FAS                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |
| NCBI Full Gene Name   | Fas cell surface death receptor                                                                                                                                                                                                                                                                                                                                                                                                             |                  |
| UniProt ID            | P25445                                                                                                                                                                                                                                                                                                                                                                                                                                      |                  |
| Preparation           | Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-cyanine 7 (PE-Cy™7) 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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