



Technical Data Sheet

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|------------------|-------------------------------------------------------------|------------------|
| Product          | <b>Anti-Hu CD95 PE-DyLight™ 594</b>                         |                  |
| Cat. Number/Size | <b>T5-362-T100</b>                                          | <b>100 tests</b> |
|                  | <b>For Research Use Only.</b>                               |                  |
|                  | <b>Not for use in diagnostic or therapeutic procedures.</b> |                  |

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Antigen             | CD95                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Clone               | LT95                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Format              | PE-DyLight™ 594                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| Preparation          | Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-DyLight™ 594 (PE-DyLight™ 594) 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.                                                                                                                                                           |

|                       |                                                |
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| Images and References | <a href="http://www.exbio.cz">www.exbio.cz</a> |
|-----------------------|------------------------------------------------|

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