

## 30-2746: Anti-Hu CD95 PE-DyLight® 594

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	LT95
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE-DyLight <sup>®</sup> 594
<b>Gene :</b>	FAS
<b>Gene ID :</b>	355
<b>Uniprot ID :</b>	P25445
<b>Alternative Name :</b>	Fas cell surface death receptor FAS1, APT1, APO-1, FASTM, ALPS1A, TNFRSF6
<b>Immunogen Information :</b>	HUT-78 human T cell lymphoma cell line

### Description

CD95 (Fas, APO-1), a 46 kDa transmembrane glycoprotein, is a cell death receptor of the TNFR superfamily. Stimulation of CD95 results in aggregation of its intracellular death domains, formation of the death-inducing signaling complex (DISC) and activation of caspases. In type I cells caspase 3 is activated by high amounts of caspase 8 generated at the DISC, in type II cells low concentration of caspase 8 activates pathway leading to the release of cytochrome c from mitochondria and activation of caspase 3 by cytochrome c. Besides its roles in induction of apoptosis, Fas also triggers pro-inflammatory cytokine responses.

**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.

### Product Info

<b>Amount :</b>	100 Tests
<b>Purification :</b>	Purified antibody is conjugated with activated tandem dye of R-phycoerythrin-DyLight <sup>®</sup> 594 (PE-DyLight <sup>®</sup> 594) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
<b>Content :</b>	Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
<b>Storage condition :</b>	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

### Application Note

**Flow cytometry:** The reagent is designed for analysis of human blood cells using 4  $\mu$ l reagent / 100  $\mu$ l of whole blood or  $10^6$  cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.