

30-2746: Anti-Hu CD95 PE-DyLight® 594 (Discontinued)

| | |
|--------------------------------|---|
| Clonality : | Monoclonal |
| Clone Name : | LT95 |
| Application : | FACS |
| Reactivity : | Human |
| Gene : | FAS |
| Gene ID : | 355 |
| Uniprot ID : | P25445 |
| Alternative Name : | Fas cell surface death receptor FAS1, APT1, APO-1, FASTM, ALPS1A, TNFRSF6 |
| Immunogen Information : | 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

| | |
|----------------------------|--|
| Amount : | 100 Tests |
| Purification : | 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. |
| Content : | Concentration: 1 mg/ml Storage Buffer: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| Storage condition : | 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 µl reagent / 100 µl of whole blood or 10⁶ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.