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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 cytochom 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-DyLightÂ®594 (PE-DyLightÂ®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 Âµl reagent / 100 Âµl of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.