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Product datasheet for AM03061FC-N

CD95 (FAS) Mouse Monoclonal Antibody [Clone ID: LT95]

Product data:

Product Type:	Primary Antibodies
Clone Name:	LT95
Applications:	FC
Recommended Dilution:	This antibody is suitable for Flow Cytometry analysis of human blood cells using 20 µl reagent/100 µl of whole blood or 10e6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HUT-78 human T cell lymphoma cell line
Specificity:	The antibody LT95 reacts with 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.
Formulation:	PBS containing 15 mM sodium azide as preservative and 0.2% (w/v) high-grade BSA (Protease free) as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Conjugated with Fluorescein isothiocyanate under optimum conditions
Conjugation:	FITC
Storage:	Store the antibody in the dark at 2-8°C. **Do Not Freeze!** Avoid prolonged exposure to light.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fas cell surface death receptor
Database Link:	Entrez Gene 355 Human P25445

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Background: 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.

Synonyms: FASLG receptor, Apo-1 antigen, APT1, FAS1, TNFRSF6