



Datasheet for ABIN192280

## anti-FAS antibody (PE)



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1 Publication

### Overview

Quantity: 100 tests

Target: FAS

Reactivity: Human

Host: Mouse

Clonality: Monoclonal

Conjugate: This FAS antibody is conjugated to PE

Application: Flow Cytometry (FACS)

### Product Details

Immunogen: HUT-78 human T cell lymphoma cell line

Clone: LT95

Isotype: 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.

Cross-Reactivity (Details): Human

Purification: Purified antibody is conjugated with R-phycerythrin (PE) under optimum conditions.

Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

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Target:	FAS
Alternative Name:	CD95 / Fas ( <a href="#">FAS Products</a> )
Background:	Fas cell surface death receptor, 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., FAS1, APT1, APO-1, FASTM, ALPS1A, TNFRSF6
Gene ID:	355
UniProt:	<a href="#">P25445</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

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Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

## Handling

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Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b>

## Handling

Avoid prolonged exposure to light.

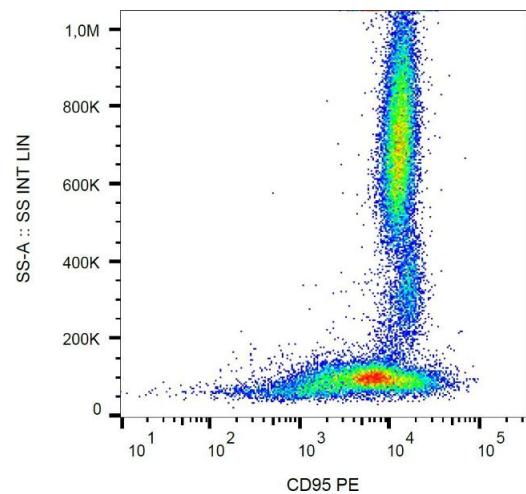
Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

## Publications

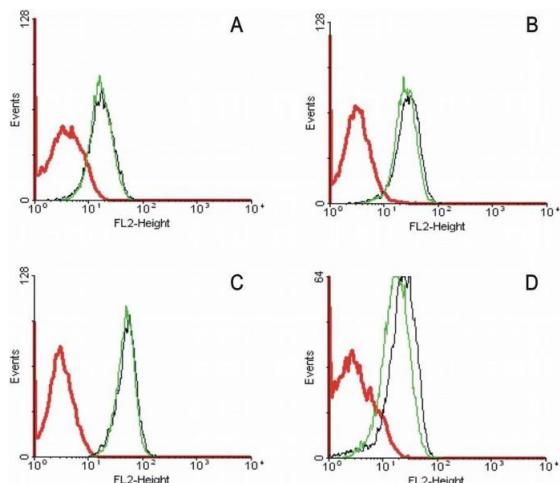
Product cited in: Drosopoulos, Roberts, Cermak, Sasazuki, Shirasawa, Andera, Pintzas: "Transformation by oncogenic RAS sensitizes human colon cells to TRAIL-induced apoptosis by up-regulating death receptor 4 and death receptor 5 through a MEK-dependent pathway." in: **The Journal of biological chemistry**, Vol. 280, Issue 24, pp. 22856-67, (2005) ([PubMed](#)).

## Images



### Flow Cytometry

**Image 1.** Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-CD95 (LT95) PE.



### Flow Cytometry

**Image 2.** Flow cytometry analysis of 5-bromodeoxyuridine (BrdU) incorporation in CEM human acute lymphoblastic leukemia cell line using purified anti-5-bromodeoxyuridine (MoBu-1) (detection by Goat anti-mouse IgG1 FITC). The individual cell cycle phases (S-, G1-, G2/M-phase) are indicated in the figure.