Datasheet for ABIN1302576

anti-FAS antibody (APC)

2 Images

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Overview

Quantity:	100 tests
Target:	FAS
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FAS antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Hu CD95 APC
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 activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion

Product Details

	chromatography.

Target Details

Target:	FAS
Alternative Name:	CD95 (FAS Products)
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 cytochom 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:	P25445
Pathways:	p53 Signaling, Apoptosis, Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Restrictions:	For Research Use only

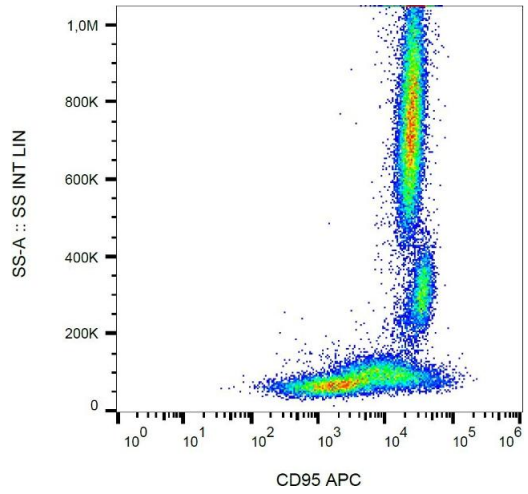
Handling

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:	**Do not freeze.**

Handling

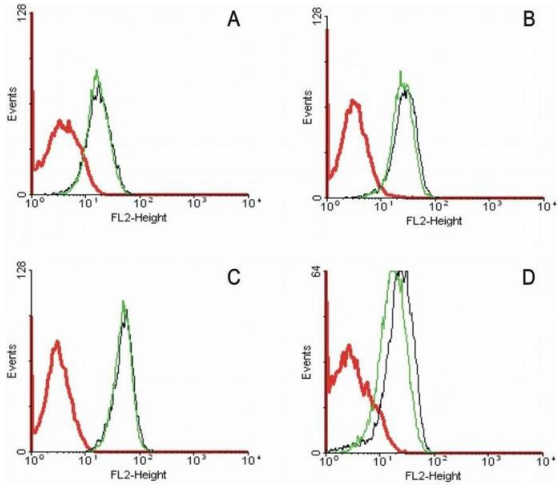
	Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Images



Flow Cytometry

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



Flow Cytometry

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