

30-1016: Anti-CD95 / Fas Monoclonal Antibody (Clone:UT-1)-Azide free(Discontinued)

Clonality :	Monoclonal
Clone Name :	UT-1
Application :	Functional Assay
Reactivity :	Human
Gene :	FAS
Gene ID :	355
Uniprot ID :	P25445
Alternative Name :	APT1, FAS1, TNFRSF6, Apo-1 antigen, Apoptosis-mediating surface antigen FAS, FASLG receptor
Isotype :	Mouse IgM
Immunogen Information :	HUT-78 human T cell lymphoma cells

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 cytochrom c. Besides its roles in induction of apoptosis, Fas also triggers pro-inflammatory cytokine responses.

Product Info

Amount :	0.1 mg
Purification :	Purified by precipitation and chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Functional Application The antibody UT-1 induces Fas-mediated apoptosis. **Flow Cytometry Recommended dilution:**2-10 µg/ml

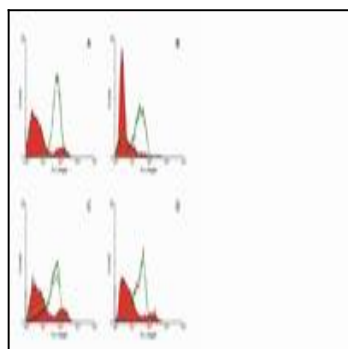


Figure 1: Induction of apoptosis in various hematopoietic cell lines by use of anti-Fas antibodies. Suspensions of used cell lines were incubated with soluble (or without as control) anti-Fas antibodies. Induction of apoptosis was measured by Apoptosis Assay Kit - FITC. Histograms: Red (full) - untreated control cells Black - standard apoptosis-inducing anti-Fas antibody Green - anti-Fas (UT-1) A - JURKAT human peripheral blood T cell leukemia cell line B - TF-1 human bone marrow erythroleukemia cell line C - CEM human leukemia cell line D - MOLT-4 human acute lymphoblastic T cell leukemia cell line