

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	UT-1
<b>Application :</b>	Functional Assay
<b>Reactivity :</b>	Human
<b>Gene :</b>	FAS
<b>Gene ID :</b>	355
<b>Uniprot ID :</b>	P25445
<b>Alternative Name :</b>	APT1, FAS1, TNFRSF6, Apo-1 antigen, Apoptosis-mediating surface antigen FAS, FASLG receptor
<b>Isotype :</b>	Mouse IgM
<b>Immunogen Information :</b>	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 cytochrome c. Besides its roles in induction of apoptosis, Fas also triggers pro-inflammatory cytokine responses.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by precipitation and chromatography
<b>Storage condition :</b>	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

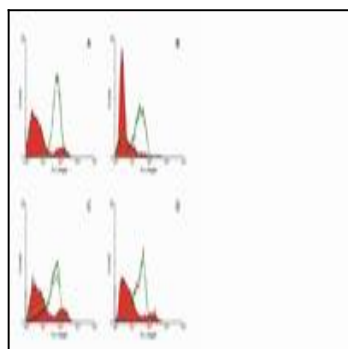


Figure 1: Induction of apoptosis in various hematopoietic cell lines by use of anti-Fas antibodies. Suspensions of used cell lines were incubated with soluble (or without as control) anti-Fas antibodies. Induction of apoptosis was measured by Apoptosis Assay Kit - FITC. Histograms: Red (full) - untreated 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.