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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 cytochom 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: $2-10 \mu g/ml$

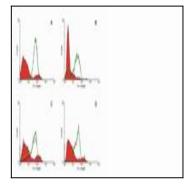


Figure 1: Induction of apoptosis in various hematopoetic cell lines by use of anti-Fas antibodies. Suspensions of used cell lines were incubated with soluble (or without as control) anti-Fas antibodies. Induction of apoptosis was measured by Apoptosis Assay Kit - FITC. Histograms: Red (full) - untreated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