

Anti-Hu CD95 Purified FAS Monoclonal Antibody

Catalog Number: M00055-1

About FAS

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.

Overview

Product Name	Anti-Hu CD95 Purified FAS Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD95 Purified FAS Monoclonal Antibody (Catalog# M00055-1). Tested in Flow Cytometry, IHC-P application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-P
Clonality	Monoclonal LT95
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P25445

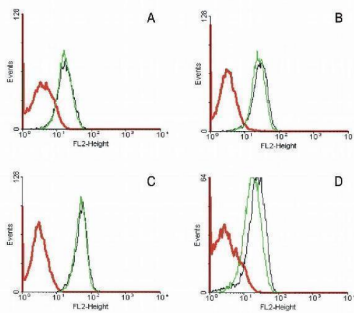
Technical Details

Immunogen	HUT-78 human T cell lymphoma cell line. 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.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

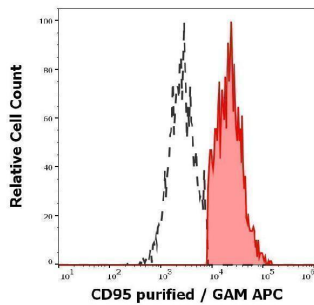
Suggested Dilutions

Flow cytometry: 1-12 µg/ml. Excellent.
Immunohistochemistry (paraffin sections): Positive tissue: tonsil.

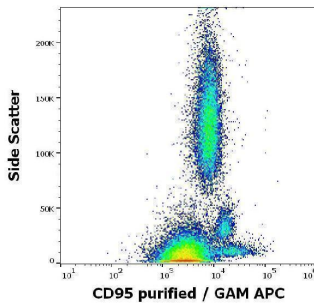
Anti-Hu CD95 Purified FAS Monoclonal Antibody (M00055-1) Images



Flow cytometry analysis of Fas (CD95) expression on the surface of various hematopoietic cell lines with purified anti-human CD95 (LT95) (detection by Goat anti-mouse IgG1 PE). Histograms: Red - Isotype mouse IgG1 control staining Black - standard anti-CD95 monoclonal antibody (DX2) Green - anti-CD95 (LT95) A - JURKAT human peripheral blood T cell leukemia cell line B - RAMOS human Burkitt lymphoma cell line C - CEM human leukemia cell line D - MOLT-4 human acute lymphoblastic T cell leukemia cell line



Separation of human CD95 positive lymphocytes (red-filled) from CD95 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD95 (LT95) purified antibody (concentration in sample 2 µg/ml) GAM APC.



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD95 (LT95) purified antibody (concentration in sample 2 µg/ml) GAM APC.

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