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Product datasheet for AM26668FC-N

CD95 (FAS) Mouse Monoclonal Antibody [Clone ID: UB2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UB2
Applications:	FC
Recommended Dilution:	**Flow cytometry:** 20 µl (ready for use). For details see protocol below.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human Fas
Specificity:	This antibody recognizes the human Fas antigen specifically. Clone UB2 does not recognize the mouse Fas antigen.
Formulation:	BSA Label: FITC State: Liquid Ig fraction Stabilizer: 1% BSA Preservative: 0.09% NaN_3
Purification:	Protein A agarose
Conjugation:	FITC
Storage:	Store at 2-8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fas cell surface death receptor
Database Link:	Entrez Gene 355 Human P25445

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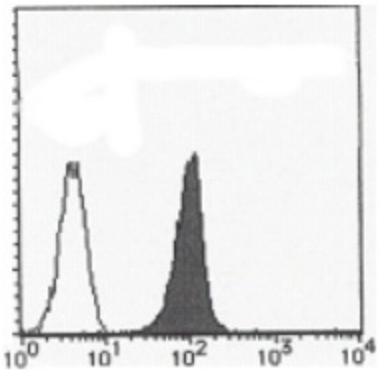
Background: It is now widely accepted that apoptosis plays an important role in the selection of immature thymocytes and Ag-primed peripheral T cells. Fas antigen is a cell-surface protein that mediates apoptosis. It is expressed in various tissues including the thymus and has structural homology with a number of cell-surface receptors, includin g tumor necrosis factor receptor and nerve growth factor receptor.

Synonyms: FASLG receptor, Apo-1 antigen, APT1, FAS1, TNFRSF6

Note: This product was originally produced by MBL International.

Protocol: Flow cytometric analysis for floating cells
We usually use Fisher tubes or equivalents as reaction tubes for all steps described below.
1) Wash the cells 3 times with washing buffer [PBS containing 2% fetal calf serum (FCS) and 0.1% NaN 3].
2) Resuspend the cells with washing buffer (5 x 10 6 cells/mL).
3) Add 50 µ L of the cell suspension into each tube, and centrifuge at 500 x g for 1 minute at room temperature (20~25 o C). Remove supernatant by careful aspiration.
4) Add 20 µ L of Clear Back (human Fc receptor blocking reagent) to the cell pellet after tapping. Mix well and incubate for 5 minutes at room temperature.
5) Add 20 µ L of FITC labeled anti-Fas monoclonal antibody (UB2). Mix well and incubate for 30 minutes at room temperature.
6) Add 1 mL of the washing buffer followed by centrifugation at 500 x g for 1 minute at room temperature. Remove supernatant by careful aspiration.
7) Resuspend the cells with 500 µ L of the washing buffer and analyze by a flow cytometer.
(Positive control for Flow cytometry; transfectant)

Product images:



Flow cytometric analysis of human Fas expression on transfectant. Open histogram indica tes the reaction of isotypic control to the cells . Shaded histogram indicates the reaction of AM26668FC-N to the cells.