

Anti-Fas (CD95/Apo-1)

Cat. No. 11 922 432 001 100 µg

Type	Monoclonal antibody, clone 2R2, IgG3, mouse
Useful for	Apoptosis induction in Fas expressing cells
Samples	Cell suspensions, adherent cells
Method	Direct induction of apoptosis by adding antibody to cell cultures
Time	Approx. 3–5 h (induction of apoptosis)

Significance of reagent: The antibody may be used for the induction of apoptosis in cell cultures through Fas by imitating the Fas-ligand. The Fas (CD95/Apo-1) molecule has been identified as a cell surface receptor that could induce apoptotic cell death of transformed cells upon activation by its ligand and cause regression of experimental tumors in mice.

Test principle: The antibody may be used for induction of apoptosis:

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- 1 Add antibody (1 µg/ml) into culture medium of Fas-bearing cells
 - 2 Incubation for 3–5 hours
 - 3 Detection of apoptosis by various assays
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Antibody supplied as: Mouse monoclonal antibody (clone 2R2, IgG3) in cell culture supernatant; sterile filtered.

Sensitivity: The antibody is suitable for induction of apoptosis at 0.5 µg/ml in SKW6.4 and Jurkat cells. If secondary crosslinking with an anti-mouse IgG is used, the apoptosis inducing concentration could be reduced to 100 ng/ml. In Fas transfectants apoptosis is induced without crosslinking at 100 ng/ml. It has to be mentioned, that some Jurkat sub-clones do not or only in high doses respond to Anti-Fas induction of apoptosis.

Specificity: The antibody was generated by immunizing mice with transformed murine L-cells bearing recombinant human Fas-receptor. On Western blots, Anti-Fas binds the human Fas/Apo-1 (CD95).

Can be used for:

- Induction of apoptosis through the Fas-receptor

