

MONOCLONAL ANTIBODY CD95 (Fas)

Cat. No.	Form	Quantity	Presentation
1505	Purified	100 µg	Freeze-dried
1506	FITC	50 tests	Liquid 1 ml
1739	PE	50 tests	Liquid 1 ml

Clone	UB2
Isotype	IgG1 (mouse)
Immunogen	Recombinant human Fas
Hybridoma	Myeloma (NS-1) x Mouse (Balb/c) spleen cells
Specificity	The molecular weight of the recognized antigen is 48 kDa This antibody recognizes the human Fas antigen specifically. It does not recognize mouse Fas antigen.
Applications	Study of cell death occurring in various pathologies Flow cytometry and Immunohistochemistry
Purification	IgG fraction, purified from ascites fluid by ammonium sulfate precipitation and affinity chromatography on protein A. Conjugated forms are F(ab') ₂ fragments
Buffer	Freeze-dried form: Phosphate buffered saline containing 10 mg/ml sucrose and 1 mg/ml sodium azide Conjugated forms: 1% bovine serum albumin phosphate buffered saline containing 0.1% sodium azide as preservative
Reconstitution and Storage	The freeze-dried form may be stored at 2-8°C until the expiration date. Reconstitute with 100 µl of distilled water. The reconstituted form may be stored at -20°C until the expiration date. Aliquoting is suggested to avoid multiple freeze-thaw cycles The liquid forms should be stored at 2-8°C
Recommended Procedures	Purified form: <u>Flow Cytometry.</u> Working concentration: 10 µg/ml

May 3, 1995



Immunohistochemistry

Working concentration 10-20 µg/ml This antibody can be used for frozen sections.

Conjugated forms:

Flow Cytometry:

20 µl/5x10⁵ cells/test.

References

- 1) Yonehara, S , Ishij, A et al "A cell-killing monoclonal antibody (Anti-Fas) to a cell surface antigen co-downregulated with the receptor of tumor necrosis factor." 1989, J. Exp. Med , **169**, 1747-1756
- 2) Kobayashi, N., Hamamoto, Y et al "Anti-Fas monoclonal antibody is cytotoxic to human immunodeficiency virus-infected cells without augmenting viral replication." 1990, Proc Natl Acad Sci. USA, **87**, 9620-9624
- 3) Itoh.N., Yonehara,S. et al "The polypeptide encoded by the cDNA for human cell surface antigen Fas can mediate apoptosis.", 1991, Cell, **66**, 233-243
- 4) Watanabe-Fukunaga, R. " Lymphoproliferation disorder in mice explained by defects in Fas antigen that mediates apoptosis." 1992, Nature, **356**, 314-317
- 5) Miyawaki T, Uehara.T et al.: "Differential expression of apoptosis-related Fas antigen on lymphocyte subpopulations in human peripheral blood", 1992, Journal of Immunology, **149**, No.11, 3753-3758