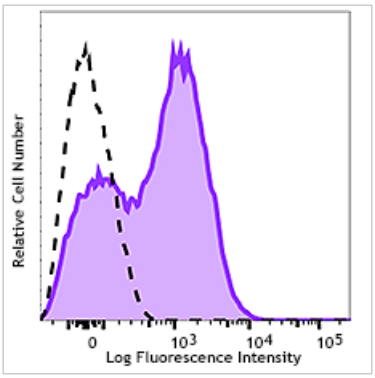
SONY

Product Data Sheet

Alexa Fluor® 700 anti-human CD95 (Fas)

Catalog # / Size:	2128235 / 25 tests 2128240 / 100 tests
Clone:	DX2
Isotype:	Mouse IgG1, κ
Immunogen:	CD95 transfected L cells
Reactivity:	Human, Non-human primate, Other
Preparation:	The antibody was purified by affinity chromatography and conjugated with Alexa FluorÂ® 700 under optimal conditions. The solution is free of unconjugated Alexa FluorÂ® 700.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Workshop Number:	VI C-64
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD95 (Fas, clone DX2) Alexa Fluor® 700 (filled histogram) or Mouse IgG1, κ Alexa Fluor® 700 isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor® 700 has a maximum emission of 719 nm when it is excited at 633 nm / 635 nm. Prior to using Alexa Fluor® 700 conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.
Application Notes:	The DX2 antibody is useful for inducing apoptosis of Fas-positive cells. Additional reported applications (for the relevant formats) include: *in vitro* induction of apoptosis[3] (DX2 antibody is required to be cross-linked for effective induction of apoptosis) and immunohistochemical staining[4,5] of acetone-fixed frozen tissue sections and formalin-fixed paraffin-embedded tissue sections.
Application References:	1. Krammer P, *et al.* 1994. *Immunol. Rev.* 142:175. 2. Nagata S, *et al.* 1995. *Science* 267:1449.

Description: CD95 is a 45 kD single chain type I glycoprotein also known as Fas, APO-1, and TNFRSF6. It is a member of the TNF receptor superfamily. CD95 is expressed on T and B lymphocytes, monocytes, neutrophils, and fibroblasts. CD95 expression is upregulated by activation. The extracellular region of CD95 binds to CD178 (Fas ligand). CD178 binding to CD95 induces apoptosis and has been shown to play a role in the maintenance of peripheral tolerance.

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Antigen References:
1. Krammer P, *et al.* 1994. *Immunol. Rev.* 142:175.
2. Nagata S, *et al.* 1995. *Science* 267:1449.