

Datasheet for ABIN1177304

**anti-FAS antibody**[Go to Product page](#)**1** Image**9** Publications

## Overview

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| Quantity:    | 0.5 mg                                                                     |
| Target:      | FAS                                                                        |
| Reactivity:  | Mouse                                                                      |
| Host:        | Armenian Hamster                                                           |
| Clonality:   | Monoclonal                                                                 |
| Conjugate:   | This FAS antibody is un-conjugated                                         |
| Application: | Flow Cytometry (FACS), Immunoprecipitation (IP), Cytotoxicity Test (CyTox) |

## Product Details

|                  |                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Brand:           | BD Pharmingen™                                                                                              |
| Immunogen:       | WR19L mouse lymphoma cells transformed with recombinant mouse Fas                                           |
| Clone:           | Jo2                                                                                                         |
| Isotype:         | IgG2 lambda                                                                                                 |
| Purification:    | The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. |
| Sterility:       | 0.2 µm filtered                                                                                             |
| Endotoxin Level: | Endotoxin level is ≤ 0.01 EU/µg (≤ 0.001 ng/µg) of protein as determined by the LAL assay.                  |

## Target Details

|         |     |
|---------|-----|
| Target: | FAS |
|---------|-----|

## Target Details

Alternative Name: CD95 ([FAS Products](#))

Background: Fas antigen, CD95, is a 45 kDa cell-surface protein which can mediate apoptosis. It belongs to the TNF (tumor necrosis factor)/NGF receptor family. Expression of Fas has been described in the thymus, liver, heart, lung and ovary. Fas plays an important role in the apoptotic process that takes place during development. Monoclonal antibodies recognizing Fas such as Jo2 have cytolytic activity on cells expressing Fas. The cell death stimulated by Fas antibodies is characteristic of apoptosis and suggests that the lethal effects are a result of interaction of antibody with a functional Fas antigen as opposed to complement-mediated lysis. The Jo2 antibody recognizes mouse Fas. The Jo2 antibody shows cytolytic activity against cell lines expressing mouse Fas by inducing apoptosis. Intraperitoneal injections of Jo2 mAb have been shown to kill mice and induce apoptotic hepatocyte death. Jo2 mAb has been reported to immunoprecipitate mouse Fas as a 45 kDa band from W4 cells. W4 cells are WR19L mouse lymphoma cells transformed with mouse Fas. The difference between the observed MW of Fas and that deduced from its amino acid sequence (Mr 34,971) may be due to glycosylation.

Synonyms: Fas/APO-1

Molecular Weight: 45 kDa

Pathways: [p53 Signaling](#), [Apoptosis](#), [Production of Molecular Mediator of Immune Response](#), [Positive Regulation of Endopeptidase Activity](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1.0 mg/mL

Buffer: No azide/low endotoxin: Aqueous buffered solution containing no preservative, 0.2µm sterile filtered.

Preservative: Azide free

Storage: 4 °C

Storage Comment: Store undiluted at 4°C. This preparation contains no preservatives, thus it should be handled under aseptic conditions.

## Publications

Product cited in: Enari, Hug, Nagata: "Involvement of an ICE-like protease in Fas-mediated apoptosis." in: **Nature**, Vol. 375, Issue 6526, pp. 78-81, (1995) ([PubMed](#)).

Nagata: "Apoptosis regulated by a death factor and its receptor: Fas ligand and Fas." in: **Philosophical transactions of the Royal Society of London. Series B, Biological sciences**, Vol. 345, Issue 1313, pp. 281-7, (1995) ([PubMed](#)).

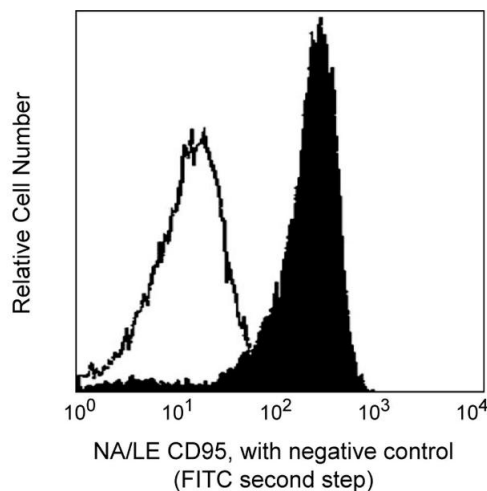
Nagata: "Fas and Fas ligand: a death factor and its receptor." in: **Advances in immunology**, Vol. 57, pp. 129-44, (1995) ([PubMed](#)).

Ni, Tomita, Matsuda, Ichihara, Ishimura, Ogasawara, Nagata: "Fas-mediated apoptosis in primary cultured mouse hepatocytes." in: **Experimental cell research**, Vol. 215, Issue 2, pp. 332-7, (1995) ([PubMed](#)).

Ogasawara, Suda, Nagata: "Selective apoptosis of CD4+CD8+ thymocytes by the anti-Fas antibody." in: **The Journal of experimental medicine**, Vol. 181, Issue 2, pp. 485-91, (1995) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

## Images



### Flow Cytometry

Image 1.