Product information

Monoclonal anti-human FADD antibody (clone J1D2)

Mouse IgG_{2b}, κ

Cat. No. IBAFA0901

Immunogen: Recombinant human FADD (1-208aa) purified from *E. coli.*

NCBI Accession No.: NP_003815

Isotype: Mouse IgG_{2b} heavy chain and κ light chain

Clone: Anti-human FADD mAb, clone J1D2, is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FADD protein.

Description: FADD (Fas-associated protein with death domain) is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. This protein is implicated in survival/proliferation and cell cycle progression. FADD functions are also regulated via cellular sublocalization, protein phosphorylation, and inhibitory molecules.

Concentration: 1mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4°C. For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis, ICC/IF, Flow cytometry and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Application: ELISA, WB, ICC/IF, Flow cyt, IHC

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
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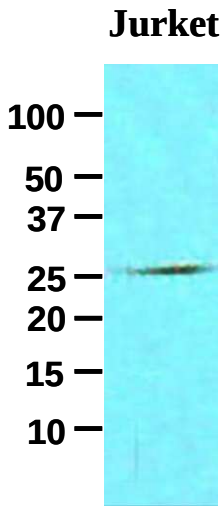
Product information

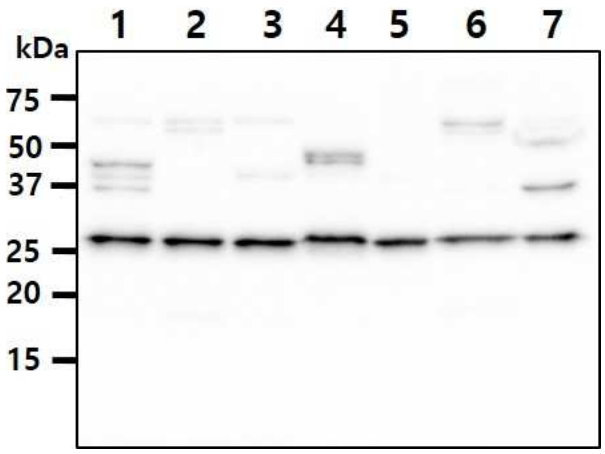
Western blot analysis

Cell lysates of Jurkat (30ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human FADD (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis

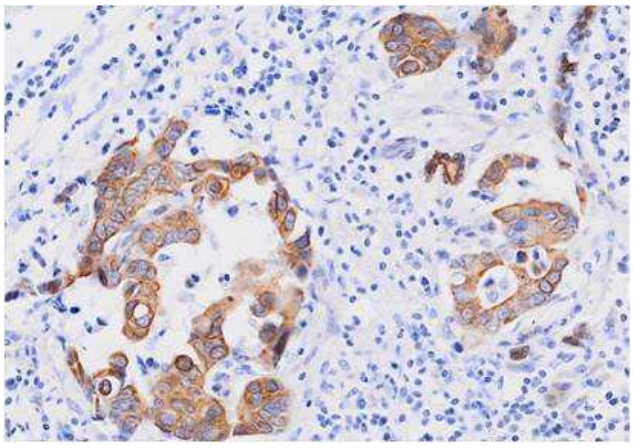
The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FADD antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Lane 1. : HeLa cell lysate
Lane 2. : Raw264.7 cell lysate
Lane 3. : MCF7 cell lysate
Lane 4. : A431 cell lysate
Lane 5. : Ramos cell lysate
Lane 6. : Raji cell lysate
Lane 7. : Balb/3T3 cell lysate

Immunohistochemistry

Paraffin embedded sections of human breast cancer tissue were incubated with anti-human FADD (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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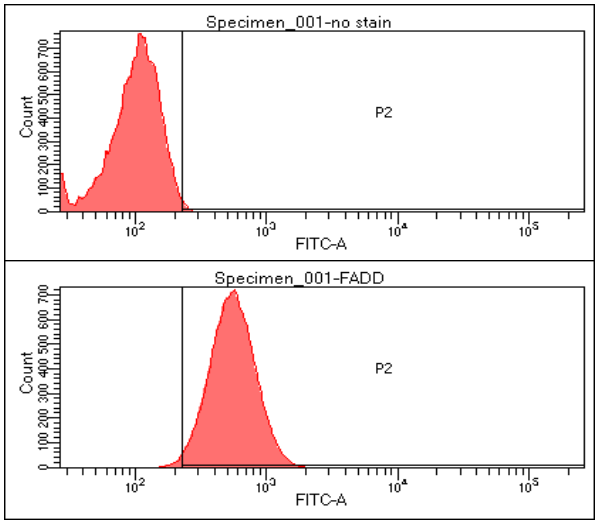
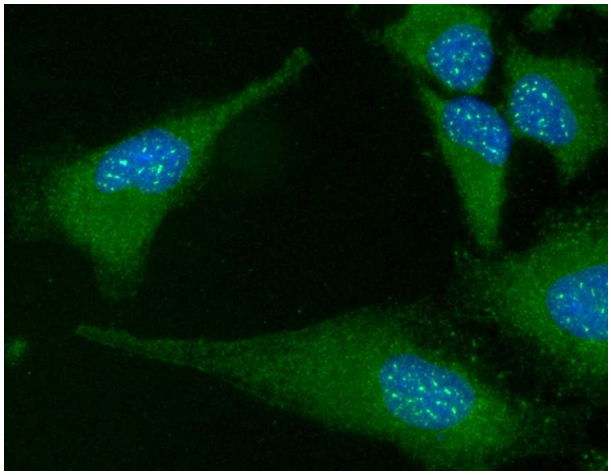
Flow cytometry

Flow cytometry analysis of FADD in HeLa cell line, staining at 2-5ug for 1x10^{6}cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.



ICC/IF analysis

ICC/IF analysis of FADD in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human FADD antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



General references: Léa Tourneur.,*et al*:(2005) *Medical Immunology*. **4**:1.

Tsao,C.H., *et al*: (2008) *J. Gen. Virol.* **89**;(PT 8), 1930-1941.

Douglas D. Bannerman, et al. (2002). *J. Clin. Invest.* **109**:419–425.

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