Purified Mouse anti-FADD (pS194)

**Product Information**

- **Material Number:** 558370
- **Size:** 0.1 mg
- **Concentration:** 0.5 mg/ml
- **Clone:** J119-857.36
- **Immunogen:** Phosphorylated peptide of the region including serine 194 of human FADD
- **Isotype:** Mouse (BALB/c) IgG1, κ
- **Reactivity:** QC Testing: Human
- **Target MW:** 27 kDa
- **Storage Buffer:** Aqueous buffered solution containing ≤0.09% sodium azide.

**Description**

During apoptosis, cells exhibit morphological signs of the death process: cell shrinkage, membrane blebbing, and chromatin condensation. The role of the cell surface cytokine receptor, Fas (Apo-1, CD95), in apoptosis has been well characterized. The tumor necrosis factor (TNF) receptor type 1 (TNFRI, CD120a) and TNF-related apoptosis-inducing ligand receptor 2 (TRAILR2, DR5) can trigger cell death, as well as various other responses. Fas, TNFRI, and TRAILR2 affect a common target in the cell death pathway, FADD (Fas-Associated via Death Domain or FAS-Associating protein with Death Domain, also known as MORT1). FADD is an adaptor protein that specifically binds to Fas and other death domain-containing proteins via their homologous death domains. FADD also contains an N-terminal Death Effector Domain (DED) that interacts with the DED-containing procaspases-8 and -10 to initiate apoptosis. The role of FADD serine 194 (S194) phosphorylation in the regulation of apoptosis and cell cycle progression is under investigation.

The J119-857.36 monoclonal antibody recognizes the phosphorylated S194 of human FADD.

**Western blot analysis of FADD (pS194) in human epidermis.** Lysates from control (lanes 1-3) and calyculin A-plus-okadaic acid-treated (lanes 4-6) human A-431 epidermoid carcinomas were probed with purified mouse anti-FADD (pS194) monoclonal antibody at concentrations of 2.0 (lanes 1 and 4), 1.0 (lanes 2 and 5), and 0.5 µg/ml (lanes 3 and 6). FADD (pS194) is identified as a band of 27 kDa in the treated cells.

**Preparation and Storage**

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography. Store undiluted at 4°C.

**Application Notes**

- **Application**
  - Western blot Routinely Tested

**Suggested Companion Products**

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<tr>
<th>Catalog Number</th>
<th>Name</th>
<th>Size</th>
<th>Clone</th>
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<tbody>
<tr>
<td>554002</td>
<td>HRP Goat Anti-Mouse Ig</td>
<td>1.0 ml</td>
<td>(none)</td>
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**Product Notices**

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.

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3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

References