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AM09055PU-N Monoclonal Antibody to CFLAR / Casper / I-FLICE (1-376) - Purified

Alternate names: CASH, CASP8 and FADD-like apoptosis regulator, CASP8AP1, CLARP, Caspase homolog, Caspase-eight-related protein, Caspase-like apoptosis regulatory protein, Cellular FLICE-like inhibitory protein, FADD-like antiapoptotic molecule 1, FLAME-1, Inhibitor of FLICE, MACH-related inducer of toxicity, MRIT, Usurpin, c-FLIP

Quantity: 0.1 ml

Concentration: 1.0 mg/ml

Background: FLIP, also known as CASP8 and FADD-like apoptosis regulator (CFLAR), contains two death effector domains (DEDs) and a caspase-like domain. FLIP may play a crucial role between cell survival and cell death pathway in mammalian cells and interacts with adapter protein FADD and Caspase-8 and -10, and potently inhibits apoptosis induced by all known death receptors DR3 (Death Receptor 3), TRAIL-R (TNF-related apoptosis-inducing ligand receptor) and TNFR1 (Tumor Necrosis Factor Receptor 1).

Uniprot ID: O15519

NCBI: NP_003870

GeneID: 8837

Host / Isotype: Mouse / IgG1

Recommended Isotype Controls: SM10P (for use in human samples), SM20P (for use in rat samples), AM03095PU-N

Clone: AT8B12

Immunogen: Recombinant human FLIP (aa 1-376) purified from E. coli.

Format:
State: Liquid purified Ig fraction
Purification: Affinity Chromatography on Protein G
Buffer System: PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol

Applications:
ELISA.
Western Blot: 1/500-1/1000.
Immunofluorescence.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

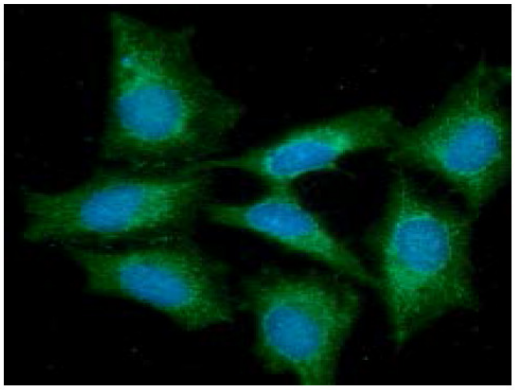
Specificity:
The antibody recognizes FLIP.
Species: Human, Mouse and Rat.
Other species not tested.

Storage:
Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Yu JW, Shi Y., (2008) Oncogene. 27(48):6216–27.
2. Du C, et al., (2005) Kidney Int. 67(4):1397–409.

Pictures:

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



Western blot analysis: The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FLIP antibody (1/1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: Jurkat cell lysate. Lane 2: HeLa cell lysate Lane 3: MCF7 cell lysate. Lane 4: K562 cell lysate.