

FLIP_L (M-18): sc-7109

BACKGROUND

FLIP (FLICE inhibitory protein) is expressed as both long and short forms and is involved in the regulation of apoptosis. The short form of FLIP contains two death effector domains homologous to the death effector domain of the Fas-associating protein FADD. The long form of FLIP, which shares significant homology with the cysteine protease FLICE, contains an additional caspase-like domain, but lacks a catalytic active site and lacks the residues that form the substrate binding pocket in most caspases. FLIP has been designated by independent groups as Casper, I-FLICE, CLARP, FLAME-1 and MRIT. Although its exact role is still being elucidated, FLIP appears to be an important factor in the regulation of apoptosis downstream of all known death receptors.

REFERENCES

1. Irmeler, M., et al. 1997. Inhibition of death receptor signals by cellular FLIP. *Nature* 388: 190-195.
2. Shu, H.B., et al. 1997. Casper is a FADD- and caspase-related inducer of apoptosis. *Immunity* 6: 751-763.

CHROMOSOMAL LOCATION

Genetic locus: CFLAR (human) mapping to 2q33.1; Cflar (mouse) mapping to 1 C1.3.

SOURCE

FLIP_L (M-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of FLIP long form of mouse origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.2% gelatin.

Blocking peptide available for competition studies, sc-7109 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% stabilizer protein).

APPLICATIONS

FLIP_L (M-18) is recommended for detection of FLIP long isoform of mouse, rat and, to a lesser extent, human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for FLIP_{S/L} siRNA (h): sc-35388, FLIP_{S/L} siRNA (m): sc-35389, FLIP_{S/L} shRNA Plasmid (h): sc-35388-SH, FLIP_{S/L} shRNA Plasmid (m): sc-35389-SH, FLIP_{S/L} shRNA (h) Lentiviral Particles: sc-35388-V and FLIP_{S/L} shRNA (m) Lentiviral Particles: sc-35389-V.

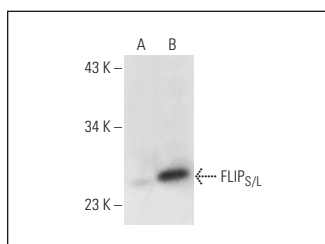
Molecular Weight of FLIP_L: 55 kDa.

Positive Controls: CTLL-2 cell lysate: sc-2242, rat spleen extract: sc-2397 or FLIP_{S/L} (h2): 293T Lysate: sc-170479.

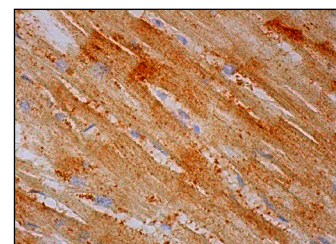
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 4) Immunohistochemistry: use ImmunoCruz™: sc-2053 or ABC: sc-2023 goat IgG Staining Systems.

DATA



FLIP_L (M-18): sc-7109. Western blot analysis of FLIP_L expression in non-transfected: sc-117752 (A) and human FLIP_{S/L} transfected: sc-170479 (B) 293T whole cell lysates.



FLIP_L (M-18): sc-7109. Immunoperoxidase staining of formalin fixed, paraffin-embedded human heart muscle tissue showing cytoplasmic staining of myocytes.

SELECT PRODUCT CITATIONS

1. Paris, F., et al. 2001. Natural ceramide reverses FAS resistance of acid sphingomyelinase^{-/-} hepatocytes. *J. Biol. Chem.* 276: 8297-8305.
2. Kishimoto, H., et al. 2001. A defect in central tolerance in NOD mice. *Nat. Immunol.* 2: 1025-1031.
3. Gonzalez-Rodriguez, A., et al. 2007. Levels of protein tyrosine phosphatase 1B determine susceptibility to apoptosis in serum-deprived hepatocytes. *J. Cell. Physiol.* 212: 76-88.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MONOS
Satisfaction
Guaranteed

Try **FLIPL (5D8): sc-136160**, our highly recommended monoclonal alternative to FLIPL (M-18).