

FAS-L (C-178): sc-6237

BACKGROUND

Cytotoxic T lymphocyte (CTL)-mediated cytotoxicity constitutes an important component of specific effector mechanisms in immuno-surveillance against virus-infected or transformed cells. Two mechanisms appear to account for this activity, one of which is the perforin-based process. Independently, a FAS-based mechanism involves the transducing molecule FAS (also designated Apo-1) and its ligand (FAS-L). The human FAS protein is a cell surface glycoprotein that belongs to a family of receptors that includes CD40, nerve growth factor receptors and tumor necrosis factor receptors. The FAS antigen is expressed on a broad range of lymphoid cell lines, certain of which undergo apoptosis in response to treatment with antibody to FAS. These findings strongly imply that targeted cell death is potentially mediated by the inter-cellular interactions of FAS with its ligand or effectors, and that FAS may be critically involved in CTL-mediated cytotoxicity.

CHROMOSOMAL LOCATION

Genetic locus: FASLG (human) mapping to 1q24.3; FasI (mouse) mapping to 1 H2.1.

SOURCE

FAS-L (C-178) is a rabbit polyclonal antibody raised against amino acids 100-278 mapping at the C-terminus of FAS-L of rat origin.

PRODUCT

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

Available as agarose conjugate for immunoprecipitation, sc-6237 AC, 500 µg/0.25 ml agarose in 1 ml.

APPLICATIONS

FAS-L (C-178) is recommended for detection of FAS-L of mouse, rat and 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for FAS-L siRNA (h): sc-29313, FAS-L siRNA (m): sc-35358, FAS-L shRNA Plasmid (h): sc-29313-SH, FAS-L shRNA Plasmid (m): sc-35358-SH, FAS-L shRNA (h) Lentiviral Particles: sc-29313-V and FAS-L shRNA (m) Lentiviral Particles: sc-35358-V.

Molecular Weight of soluble FAS-L: 26 kDa.

Molecular Weight of FAS-L membrane: 40 kDa.

Positive Controls: HL-60 whole cell lysate: sc-2209, Jurkat whole cell lysate: sc-2204 or K-562 whole cell lysate: sc-2203.

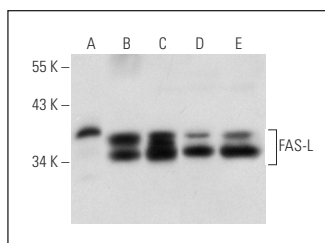
STORAGE

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.

DATA



FAS-L (C-178): sc-6237. Western blot analysis of FAS-L expression in AML-193 (A), HL-60 (B), K-562 (C), CCRF-CEM (D) and Jurkat (E) whole cell lysates.

SELECT PRODUCT CITATIONS

- Chen, M.K., et al. 1999. FAS-mediated induction of hepatocyte apoptosis in a neuroblastoma and hepatocyte coculture model. *J. Surg. Res.* 84: 82-87.
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