

SOCS-5 (L-20): sc-8286

BACKGROUND

The SOCS (suppressor of cytokine signaling) gene family consists of a group of proteins that negatively regulate cytokine signal transduction. The SOCS family proteins contain a central SH2 domain and a carboxy-terminal region termed the "SOCS box". The SOCS-1 (also called SSI-1 and JAB), SOCS-2 (also called SSI-2 and CIS2) and SOCS-3 (also called SSI-3 and CIS3) genes are known to be upregulated by IL-6 and other cytokines. SOCS-4, SOCS-5, SOCS-6 and SOCS-7 were identified by their sequence homology with the SOCS box. CIS (for cytokine-inducible SH2-containing protein) is also a member of the SOCS family.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SOCS5 (human) mapping to 2p21; Socs5 (mouse) mapping to 17 E4.

SOURCE

SOCS-5 (L-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the N-terminus of SOCS-5 of mouse origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-8286 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

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

APPLICATIONS

SOCS-5 (L-20) is recommended for detection of SOCS-5 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for SOCS-5 siRNA (m): sc-41003, SOCS-5 siRNA (m): sc-41003, SOCS-5 shRNA Plasmid (m): sc-41003-SH, SOCS-5 shRNA Plasmid (m): sc-41003-SH, SOCS-5 shRNA (m) Lentiviral Particles: sc-41003-V and SOCS-5 shRNA (m) Lentiviral Particles: sc-41003-V.

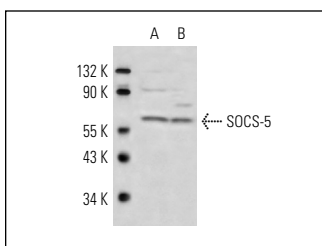
Molecular Weight of SOCS-5: 69 kDa.

Positive Controls: RAW 264.7 whole cell lysate: sc-2211, mouse spleen extract: sc-2391 or rat spleen extract: sc-2397.

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.

DATA



SOCS-5 (L-20): sc-8286. Western blot analysis of SOCS-5 expression in BJAB (A) and Jurkat (B) whole cell lysates.

RESEARCH USE

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

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Try **SOCS-5 (31-L): sc-100858**, our highly recommended monoclonal alternative to SOCS-5 (L-20).