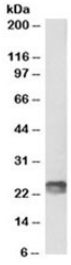
SOCS1 Antibody Biotin Conjugate (R36335BTN)

Catalog No.	Formulation	Size
R36335BTN	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Cow, Dog, Rat
Format	Biotin Conjugate
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	8651
Applications	Western blot: 1-3ug/ml ELISA (peptide) LOD: 1:32000
Limitations	This SOCS1 Antibody Biotin Conjugate is available for research use only.



SOCS1 Antibody Biotin Conjugate Mouse Spleen WB. Western blot testing of mouse spleen lysate with SOCS1 Antibody Biotin Conjugate at 1 ug/ml. An NAP blocker was used in place of non-fat milk as the blocking solution and antibody diluent. A specific band was detected at approximately 24 kDa, consistent with the predicted molecular weight of SOCS1. SOCS1 Antibody Biotin Conjugate supports streptavidin-based detection of suppressor of cytokine signaling 1 expression and studies of cytokine signaling regulation, JAK STAT pathway feedback control and immune response pathways.

Description

SOCS1 Antibody Biotin Conjugate detects suppressor of cytokine signaling 1, an intracellular protein that regulates cytokine receptor signaling and immune pathway activity. SOCS1 functions as a negative feedback regulator of the JAK STAT signaling pathway by limiting prolonged activation following cytokine stimulation. This biotinylated SOCS1 antibody format enables researchers to incorporate SOCS1 detection into avidin-biotin and streptavidin-based experimental

systems.

SOCS1 contains functional domains involved in protein interactions and regulation of signaling complexes, including an SH2 domain and SOCS box region. Through these mechanisms, SOCS1 influences cytokine-mediated responses involved in immune regulation, inflammation and cellular communication. SOCS1 Antibody Biotin Conjugate provides an alternative detection format for researchers studying suppressor of cytokine signaling 1 expression and pathway regulation.

Biotin conjugated antibodies are commonly used in applications requiring flexible detection methods, signal amplification or compatibility with streptavidin-linked reporters. The strong interaction between biotin and streptavidin allows researchers to select from multiple enzyme-based or fluorescent detection systems. A biotin SOCS1 antibody format can be useful for specialized workflows where streptavidin detection chemistry is preferred.

Research involving SOCS1 provides insight into the mechanisms controlling immune activation and cytokine feedback regulation. SOCS1 has been studied in pathways involving interferon responses, inflammatory signaling and JAK STAT pathway modulation. Detection of SOCS1 expression supports investigations of intracellular signaling networks and immune response regulation.

SOCS1 Antibody Biotin Conjugate applications include detection of SOCS1 protein expression using compatible avidin-biotin and streptavidin-based detection platforms. NSJ Bioreagents provides SOCS1 Antibody Biotin Conjugate for researchers studying cytokine signaling regulation, JAK STAT pathways, immune biology and inflammatory response mechanisms.

SOCS1 Antibody detects a cytokine signaling inhibitor involved in immune pathway regulation and JAK STAT feedback control; additional cytokine signaling research tools are available on our SOCS1 Antibody / Cytokine Signaling Regulator Antibody page.

Application Notes

Optimal dilution of the SOCS1 Antibody Biotin Conjugate should be determined by the researcher.

1. Do not use a blocking agent or diluent that contains biotin (including milk and some BSA preparations) when testing with biotinylated antibodies. A non-animal protein (NAP) blocker is recommended.

Immunogen

Amino acids VLRDYLSSFPFQI were used as the immunogen for this SOCS1 Antibody Biotin Conjugate.

Storage

Aliquot and store the SOCS1 Antibody Biotin Conjugate at -20oC.

Alternate Names

Biotin SOCS1 Antibody, SOCS1 Biotin Antibody, Suppressor of Cytokine Signaling 1 Antibody, TIP3 Antibody, JAK Binding Protein Antibody, Cytokine Signaling Regulator Antibody

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