Human/Mouse SOCS-4 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 517331

Catalog Number: FAB5628N

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse SOCS-4 in Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 517331
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human SOCS-4 Met1-Cys440 Accession # Q8WXH5
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Suppressor of cytokine signaling 4 (SOCS-4) is a 51 kDa (predicted) member of the SOCS family of proteins, which are Src homology-2 (SH2)-containing proteins originally identified as negative regulators of cytokine signaling. Human SOCS-4 is 440 amino acids (aa) in length. It contains an SH2 domain (aa 289-381) and a SOCS box domain (aa 376-425). Human SOCS-4 shares 93% and 86% aa sequence identity with bovine and mouse SOCS-4, respectively. The biological function of SOCS-4 remains poorly understood, but it has been found to be elevated in cells following treatment with EGF, acting perhaps in a feedback loop inhibiting STAT3.

PRODUCT SPECIFIC NOTICES

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