

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human or mouse SOCS-3 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 516919
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SOCS-3 Met1-Leu225 Accession # O14543
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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 3 (SOCS-3), also known as CIS3, is a widely expressed 30 kDa protein that inhibits signal transduction induced by multiple cytokines including Erythropoietin, IL-6, LIF, Oncostatin M, and Leptin. It binds downstream signaling molecules such as JAK kinases and targets them for ubiquitin-mediated degradation, essential in a negative feedback control loop. Human SOCS-3 shares 96% aa sequence identity with mouse and rat SOCS-3.

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