

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SOCS-5 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human SOCS-1, -2, -3, -6, and -7 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SOCS-5 Met1-Lys536 Accession # O75159
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunocytochemistry	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

SOCS-5 (Suppressor of cytokine signaling 5; also CIS-6) is a 55-60 kDa member of the SOCS family of proteins. It is an SH2-domain containing cytoplasmic adaptor protein expressed by Th1 cells that is known to reduce the expression of the EGF receptor and block signaling by the IL-4 Rα chain. Human SOCS-5 is 536 amino acids (aa) in length. It contains one SH2 domain (aa 381-476) and a SOCS box (aa 471-520) that mediates interaction with E3 ubiquitin ligase complexes. Full-length SOCS-5 is 94% aa identical to mouse SOCS-5.

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