

SOCS3

Mouse Anti-Human Suppressor of Cytokine Signaling 3 Clone SOC-25 mAb

Catalog No.	CSI14296 CSI14297	Quantity:	25 µg 100 µg
Alternate Names:	ATOD4, CIS3, Cish3, MGC71791, SOCS-3, SSI-3, SSI3, STAT induced STAT inhibitor 3, cytokine-induced SH2 protein 3, Suppressor of cytokine signaling-3		
Description:	<p>The SOCS3 (suppressor of cytokine signaling-3) protein is a 25 kD cytoplasmic protein that contains a SOCS box and an SH2 domain. SOCS3 has been shown to be involved in the negative regulation of cytokine signaling via JAK/STAT pathway. SOCS3 has been shown to inhibit IL-2, IL-3, IL-4, IL-6, erythropoietin, prolactin, and growth hormone. SOCS3 has also been shown to regulate erythropoiesis in the fetal liver. SOCS3 is induced by inflammation, erythropoietin, GM-CSF, IL-10, and IFN-γ. SOCS3 can be modified by JAK phosphorylation which destabilizes the protein and ubiquitination which targets it for destruction by the proteasome. SOCS3 has been shown to interact with the IGF-1 receptor, insulin receptor, gp130 receptor, erythropoietin receptor, leptin receptor, LIF receptor, JAK2, and elongin C. The SOC-25 monoclonal antibody recognizes human and mouse SOCS3 and has been shown to be useful for Western blotting.</p>		
Concentration:	0.5 mg/ml		
Gene ID:	9021		
Structure:	C/EBP transcription factor family, basic leucine zipper, dimer. Isoforms C/EBP β , LAP, LIP, approximately 35 kD, 32 kD, 20 kD, respectively,		
Distribution:	Nuclear		
Host:	Mouse		
Immunogen:	Recombinant full length mouse C/EBP β protein		
Isotype:	IgG2b, κ		
Clone:	SOC-25		
Function:	Transcription factor in immune, inflammatory, acute-phase, cytokine, collagen type I genes.		
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	The antibody was purified by affinity chromatography.		



Regulation: Growth hormone

Reactivity: Human, Mouse

Applications: Western Blot

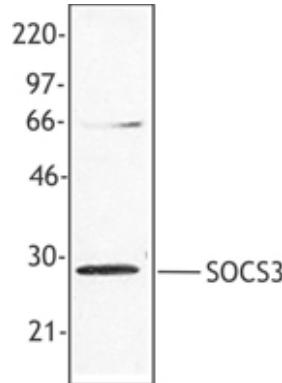
Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer (1:500 dilution) for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Storage & Stability: Upon receipt, store undiluted at 4° C.

Modification: Phosphorylation, Ubiquitination

Interaction: CEBP- α , CEBP- β , CEBP- δ , CEBP- γ , CEBP- ϵ , CEBP- ζ

HepG2 lysates were resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal antibody against SOCS3. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



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