

Code No. 10141

Anti-Human CIS3/SOCS-3 (19A5) Mouse IgG MoAb

Volume : 200 µg

Introduction	:	regulate cellular pro transformation through proteins (also referred regulation of signal tra The cytokine-inducible inhibit the JAK/STAT erythropoiesis. Rece (EPO) receptor (EPO expressing the EPOR	rotein tyrosine kinases (JAKs) and STAT transcription factors occesses involved in cell growth, differentiation, and h their association with cytokine receptors. The CIS family of d as the SOCS or SSI family) has been implicated in the insduction by a variety of cytokines. e SH2 protein-3 (CIS3/SOCS-3/SSI-3) has been shown to pathway and act as a negative regulator of fetal liver ently, it is reported that CIS3 regulates the erythropoietin OR) signaling in erythroid progenitors and Ba/F3 cells (BF-ER). CIS3 binds directly to the EPOR as well as JAK2 endent proliferation and STAT5 activation.	
Antigen	:	Synthetic peptide of the C-terminal part of human CIS3/SOCS-3		
Source	:	Mouse-Mouse hybridoma (X63 - Ag 8.653 × BALB/c mouse spleen cells, supernatant)		
Clone	:	19A5	Subclass : IgG ₁	
Purification	:	Affinity purified with antigen peptide		
Form	:	Lyophilized product from 1 $$ % BSA in PBS containing 0.05 $$ % NaN_3 $$		
How to use	:	1.0 mL deionized water will be added to the product, then its concentration comes to 200 $\mu\text{g}/\text{mL}$		
Stability	:	Lyophilized product, 5 years at 2 - 8 °C		

- : Solution, 2 years at -20 °C
- Application
- Reference : 1. Yoshimura, A. et al. A novel cytokine- inducible gene CIS encodes an SH2 containing protein that binds to tyrosine- phosphorylated interleukin 3 and erythropoietin receptors. EMBO J. 14: 2816-2826, 1995

: This antibody can be used for western blotting in concentration of 1 - 5 µg/mL

- Yoshimura, A. et al. The CIS/JAB family: novel negative regulators of JAK signaling pathways. Leukemia 12: 1851 1857, 1998.
 Yoshimura A. The CIS family: negative regulators of JAK-STAT signaling. Cytokine Growth Factor Rev. 9 (3-4): 197-204, 1998
 Sasaki A., Yasukawa H., Shouda T., Kitamura T., Dikic I., and Yoshimura A. CIS3/SOCS-3 suppresses erythropoietin (EPO) signaling by binding the EPO receptor and JAK2. J. Biol. Chem. 275 (38): 29338-47, 2000
- 5. Iwamoto T., Senga T., Naito Y., Matsuda S., Miyake Y., Yoshimura A., and Hamaguchi M. The JAK-inhibitor, JAB/SOCS-1 selectively inhibits cytokineinduced, but not v-Src induced JAK-STAT activation. Oncogene 19 (41), 4795-801, 2000

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