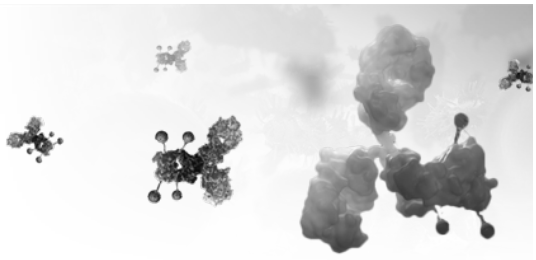

Human SOCS3 blocking peptide (DAG-P1992)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development. [provided by RefSeq, Jul 2008]
Specificity	Widely expressed with high expression in heart, placenta, skeletal muscle, peripheral blood leukocytes, fetal and adult lung, and fetal liver and kidney. Lower levels in thymus.
Conjugate	Unconjugated
Applications	WB, BL
Sequence Similarities	Contains 1 SH2 domain.Contains 1 SOCS box domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SOCS3 suppressor of cytokine signaling 3 [Homo sapiens (human)]
Official Symbol	SOCS3
Synonyms	SOCS3; suppressor of cytokine signaling 3; CIS3; SSI3; ATOD4; Cish3; SSI-3; SOCS-3; STAT-

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	induced STAT inhibitor 3; cytokine-inducible SH2 protein 3;
Entrez Gene ID	9021
mRNA Refseq	NM_003955.4
Protein Refseq	NP_003946.3
UniProt ID	O14543
Chromosome Location	17q25.3
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing and presentation, organism-specific biosystem; Cytokine Signaling in Immune system, organis
Function	protein binding; protein kinase inhibitor activity;

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