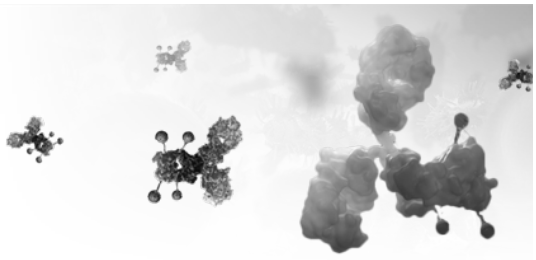

STAT6 blocking peptide (DAG-P1095)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the transcription factor STAT family.Contains 1 SH2 domain.
Format	Liquid
Buffer	Preservative: 0.1% Sodium Azide Constituents: PBS, 100µg/ml BSA
Preservative	0.1% Sodium Azide
Storage	Store at +4°C. Do not freeze. Preservative: 0.1% Sodium Azide Constituents: PBS, 100µg/ml BSA

GENE INFORMATION

Gene Name	STAT6 signal transducer and activator of transcription 6, interleukin-4 induced [Homo sapiens (human)]
Official Symbol	STAT6

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Synonyms	STAT6; signal transducer and activator of transcription 6, interleukin-4 induced; STAT6B; STAT6C; D12S1644; IL-4-STAT; signal transducer and activator of transcription 6; STAT, interleukin4-induced; transcription factor IL-4 STAT;
Entrez Gene ID	6778
mRNA Refseq	NM_001178078.1
Protein Refseq	NP_001171549.1
UniProt ID	P42226
Chromosome Location	12q13
Pathway	Adipogenesis, organism-specific biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Hepatitis B, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; IL-4 signaling Pathway, organism-specific biosystem; IL12-mediated signaling events, organism-specific biosystem; IL4-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Inflamma
Function	RNA polymerase II core promoter sequence-specific DNA binding; calcium ion binding; identical protein binding; protein binding; protein phosphatase binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;

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