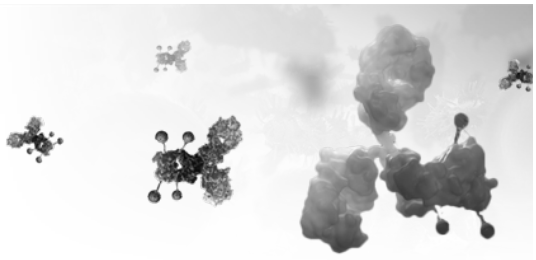

Human STAT6 blocking peptide (CDBP2839)

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

PRODUCT INFORMATION

Product Overview	STAT 6 (C - term) peptide (human)
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]
Species	Human
Conjugate	Unconjugated
Applications	BL
Concentration	0.2 mg/ml
Size	500 µl
Buffer	Preservative: 0.1% Sodium Azide; Constituents: PBS, 100µg/ml BSA
Preservative	0.1% Sodium Azide
Storage	Store this product at 4 °C, do not freeze. The product is stable for one year from the date of shipment.

GENE INFORMATION

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Gene Name	STAT6 signal transducer and activator of transcription 6, interleukin-4 induced [Homo sapiens]
Official Symbol	STAT6
Synonyms	STAT6; signal transducer and activator of transcription 6, interleukin-4 induced; signal transducer and activator of transcription 6; D12S1644; IL 4 STAT; STAT, interleukin4-induced; transcription factor IL-4 STAT; STAT6B; STAT6C; IL-4-STAT;
Entrez Gene ID	6778
mRNA Refseq	NM_001178078
Protein Refseq	NP_001171549
UniProt ID	P42226
Chromosome Location	12q13
Pathway	Adipogenesis, organism-specific biosystem; Downstream signal transduction, 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; Jak-STAT signaling pathway, organism-specific biosystem;
Function	calcium ion binding; identical protein binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;

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