



# Human STAT4 blocking peptide (CDBP2835)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-STAT4 (aa 613-627) antibody
<b>Antigen Description</b>	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 is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. Mutations in this gene may be associated with systemic lupus erythematosus and rheumatoid arthritis. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Aug 2011]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Stat4 signal transducer and activator of transcription 4 [ Mus musculus ]</a>
<b>Official Symbol</b>	STAT4

<b>Synonyms</b>	STAT4; signal transducer and activator of transcription 4;
<b>Entrez Gene ID</b>	<a href="#">20849</a>
<b>mRNA Refseq</b>	<a href="#">NM_011487</a>
<b>Protein Refseq</b>	<a href="#">NP_035617</a>
<b>Pathway</b>	Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
<b>Function</b>	DNA binding; calcium ion binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;