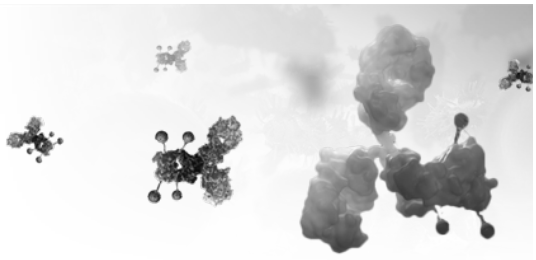

Mouse STAT5A blocking peptide (CDBP2837)

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

PRODUCT INFORMATION

Product Overview	STAT5a (C - term) peptide (mouse)
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 is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]
Species	Mouse
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	0.2 mg/ml
Size	100 µg
Buffer	PBS with 100ug BSA 0.1% sodium azide
Preservative	0.1% Sodium Azide
Storage	Keep as concentrated solution, aliquot and store at 4°C.

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GENE INFORMATION

Gene Name	Stat5a signal transducer and activator of transcription 5A [Mus musculus]
Official Symbol	STAT5A
Synonyms	STAT5A; signal transducer and activator of transcription 5A; mammary gland factor STAT5A; STAT5; AA959963;
Entrez Gene ID	20850
mRNA Refseq	NM_001164062
Protein Refseq	NP_001157534
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adipogenesis, organism-specific biosystem; Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Downstream signal transduction, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem;
Function	DNA binding; RNA polymerase II core promoter sequence-specific DNA binding; calcium ion binding; double-stranded DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer ac

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