

Human Signal Transducer And Activator Of Transcription 5B (STAT5B) ELISA Kit | STAT5B elisa kit

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CATALOG # AAA330596	REACTIVITY Human
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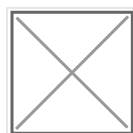
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 5B (STAT5B); Human Signal Transducer And Activator Of Transcription 5B (STAT5B) ELISA Kit; STAT5B; STAT5; transcription factor STAT5B; STAT5B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Signal transducer and activator of transcription 5B (STAT5B) ELISA Kit has high sensitivity and excellent specificity for detection of Human STAT5B. No significant cross-reactivity or interference between Human STAT5B and analogues was observed.
Sequence Length	787
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Signal transducer and activator of transcription 5B (STAT5B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STAT5B elisa kit	Description: This Human Signal transducer and activator of transcription 5B (STAT5B) ELISA Kit employs a two-site sandwich ELISA to quantitate STAT5B in samples. An antibody specific for STAT5B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STAT5B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STAT5B is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of STAT5B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Signal transducer and activator of transcription 5B 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 mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21618344
NCBI GeneID	6777
NCBI Accession #	NP_036580.2
NCBI GenBank Nucleotide #	NP_036580.2
UniProt Accession #	P51692
NCBI Official Full Name	signal transducer and activator of transcription 5B
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5B
NCBI Official Symbol	STAT5B
NCBI Official Synonym Symbols	STAT5
NCBI Protein Information	signal transducer and activator of transcription 5B
UniProt Protein Name	Signal transducer and activator of transcription 5B
UniProt Gene Name	STAT5B
UniProt Entry Name	STA5B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.