

Human Signal Transducer And Activator Of Transcription 6 (STAT6) ELISA Kit | STAT6 elisa kit

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CATALOG #
AAA330597

REACTIVITY
Human

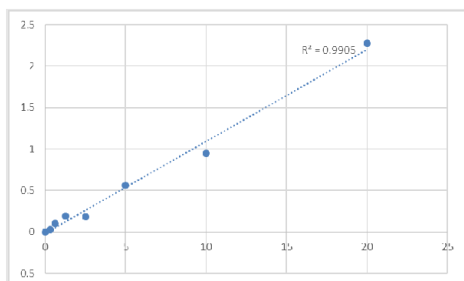
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 6 (STAT6); Human Signal Transducer And Activator Of Transcription 6 (STAT6) ELISA Kit; STAT6; D12S1644; IL-4-STAT; STAT6B; STAT6C; STAT; interleukin4-induced; signal transducer and activator of transcription 6; transcription factor IL-4 STAT; STAT6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Signal transducer and activator of transcription 6 (STAT6) ELISA Kit has high sensitivity and excellent specificity for detection of Human STAT6. No significant cross-reactivity or interference between Human STAT6 and analogues was observed.
Sequence Length	847
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 6 (STAT6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STAT6 elisa kit	Description: This Human Signal transducer and activator of transcription 6 (STAT6) ELISA Kit employs a two-site sandwich ELISA to quantitate STAT6 in samples. An antibody specific for STAT6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STAT6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STAT6 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 STAT6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: STAT6 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296010864
NCBI GeneID	6778
NCBI Accession #	NP_001171549.1
NCBI GenBank Nucleotide #	NP_001171549.1
UniProt Accession #	P42226
NCBI Official Full Name	signal transducer and activator of transcription 6 isoform 1
NCBI Official Synonym Full Names	signal transducer and activator of transcription 6
NCBI Official Symbol	STAT6
NCBI Official Synonym Symbols	STAT6B; STAT6C; D12S1644; IL-4-STAT
NCBI Protein Information	signal transducer and activator of transcription 6
UniProt Protein Name	Signal transducer and activator of transcription 6
UniProt Gene Name	STAT6
UniProt Entry Name	STAT6_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.