

Human Signal Transducer And Activator Of Transcription 4 (STAT4) ELISA Kit | STAT4 elisa kit

Human Signal Transducer And Activator Of Transcription 4 (STAT4) ELISA Kit

CATALOG #
AAA330594

REACTIVITY
Human

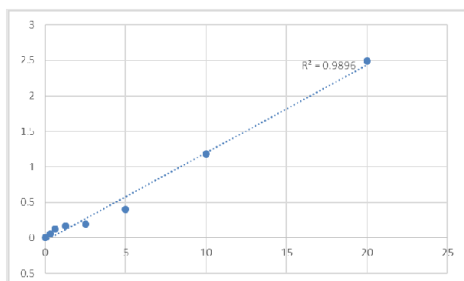
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 4 (STAT4); Human Signal Transducer And Activator Of Transcription 4 (STAT4) ELISA Kit; STAT4; SLEB11; OTTHUMP00000163553; STAT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Signal transducer and activator of transcription 4 (STAT4) ELISA Kit has high sensitivity and excellent specificity for detection of Human STAT4. No significant cross-reactivity or interference between Human STAT4 and analogues was observed.
Sequence Length	748
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 4 (STAT4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for STAT4 elisa kit	Description: This Human Signal transducer and activator of transcription 4 (STAT4) ELISA Kit employs a two-site sandwich ELISA to quantitate STAT4 in samples. An antibody specific for STAT4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any STAT4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for STAT4 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 STAT4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: STAT4 is phosphorylated in response to interleukin-12 and is essential for IL12 signal transduction. For further information on STATs. STAT4 and STAT1, which both map to chromosome 2q32, may have arisen via a tandem gene duplication. However, STAT1 was expressed ubiquitously, whereas STAT4 was expressed in specific tissues, including spleen, heart, brain, peripheral blood cells, and testis. STAT4 expression was drastically increased in T cells following treatment with a DNA methyltransferase inhibitor. Truncation of methylation sites in the proximal regulatory elements of the STAT4 promoter markedly enhanced transcriptional activity. The N-terminal protein interaction domain (N domain) of STAT4 is required for STAT4 activation after IL12 signaling.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	345110660
NCBI GeneID	6775
NCBI Accession #	NP_001230764.1
NCBI GenBank Nucleotide #	NP_001230764.1
UniProt Accession #	Q14765
NCBI Official Full Name	signal transducer and activator of transcription 4
NCBI Official Synonym Full Names	signal transducer and activator of transcription 4
NCBI Official Symbol	STAT4
NCBI Official Synonym Symbols	SLEB11
NCBI Protein Information	signal transducer and activator of transcription 4
UniProt Protein Name	Signal transducer and activator of transcription 4
UniProt Gene Name	STAT4
UniProt Entry Name	STAT4_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.