

Mouse Signal Transducer And Activator Of Transcription 6 ELISA Kit | STAT6 elisa kit

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CATALOG #
AAA84399

REACTIVITY
Mouse

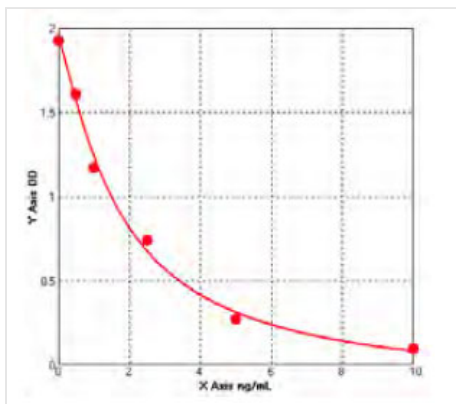
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 6; Mouse Signal Transducer And Activator Of Transcription 6 ELISA Kit; STAT6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of STAT6. No significant cross-reactivity or interference between STAT6 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between STAT6 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STAT6 elisa kit	Intended Uses: This STAT6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MouseSTAT6. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: STAT6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-STAT6 antibody and an STAT6-HRP conjugate. The assay sample and buffer are incubated together with STAT6-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the STAT6 concentration since STAT6 from samples and STAT6-HRP conjugate compete for the anti-STAT6 antibody binding site. Since the number of sites is limited, as more sites are occupied by STAT6 from the sample, fewer sites are left to bind STAT6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The STAT6 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for STAT6 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	23397678
NCBI GeneID	6778
NCBI Accession #	NP_003144.3
NCBI GenBank Nucleotide #	NM_003153.4
Molecular Weight	81,748 Da
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, interleukin-4 induced
NCBI Official Symbol	STAT6
NCBI Official Synonym Symbols	STAT6B; STAT6C; D12S1644; IL-4-STAT
NCBI Protein Information	signal transducer and activator of transcription 6; STAT, interleukin4-induced; transcription factor IL-4 STAT
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.