

Human Signal Transducer And Activator Of Transcription 5A (STAT5A) ELISA Kit | STAT5A elisa kit

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CATALOG #
AAA137404

REACTIVITY
Human

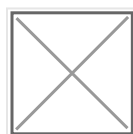
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 5A (STAT5A); Human Signal Transducer And Activator Of Transcription 5A (STAT5A) ELISA Kit; STAT5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Signal Transducer And Activator Of Transcription 5A (STAT5A) No significant cross-reactivity or interference between Signal Transducer And Activator Of Transcription 5A (STAT5A) and analogues was observed.
Sequence Length	793
Samples	Tissue homogenates and other biological fluids
Assay Type	Sandwich
Detection Range	0.313-20ng/mL The standard curve concentrations used for the ELISA's were 20ng/mL, 10ng/mL, 5ng/mL, 2.5ng/mL, 1.25ng/mL, 0.625ng/mL, 0.313ng/mL
Sensitivity	Typically less than 0.112ng/mL.
Organism Species	Homo sapiens (Human)
ELISA Type	Sandwich
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Signal Transducer And Activator Of Transcription 5A (STAT5A) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Signal Transducer And Activator Of Transcription 5A (STAT5A) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STAT5A elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Signal Transducer And Activator Of Transcription 5A (STAT5A). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Signal Transducer And Activator Of Transcription 5A (STAT5A). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Signal Transducer And Activator Of Transcription 5A (STAT5A), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Signal Transducer And Activator Of Transcription 5A (STAT5A) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8394373
NCBI GeneID	24918
NCBI Accession #	NP_058760.1
NCBI GenBank Nucleotide #	NM_017064.1
UniProt Accession #	Q62771
Molecular Weight	90,833 Da
NCBI Official Full Name	signal transducer and activator of transcription 5A
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5A
NCBI Official Symbol	Stat5a
NCBI Official Synonym Symbols	Stat5
NCBI Protein Information	signal transducer and activator of transcription 5A; mammary gland factor
UniProt Protein Name	Signal transducer and activator of transcription 5A
UniProt Gene Name	Stat5a
UniProt Synonym Gene Names	Mgf
UniProt Entry Name	STA5A_RAT

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/signal-transducer-and-activator-of-transcription-5a-stat5a/137404>