

Rat Signal Transducer And Activator Of Transcription 5A ELISA Kit | STAT5A elisa kit

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CATALOG # AAA82096	REACTIVITY Rat
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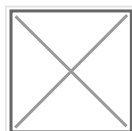
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 5A; Rat Signal Transducer And Activator Of Transcription 5A ELISA Kit; STAT5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This STAT5A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat STAT5A. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for STAT5A elisa kit	Principle of the assay: STAT5A ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-STAT5A antibody and an STAT5A-HRP conjugate. The assay sample and buffer are incubated together with STAT5A-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 STAT5A concentration since STAT5A from samples and STAT5A-HRP conjugate compete for the anti-STAT5A antibody binding site. Since the number of sites is limited, as more sites are occupied by STAT5A from the sample, fewer sites are left to bind STAT5A-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The STAT5A concentration in each sample is interpolated from this standard curve.
Product Categories/Family for STAT5A elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1151170
NCBI GeneID	6776

Molecular Weight	86,949 Da
NCBI Official Full Name	Stat5A
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5A
NCBI Official Symbol	STAT5A
NCBI Official Synonym Symbols	MGF; STAT5
NCBI Protein Information	signal transducer and activator of transcription 5A
UniProt Protein Name	Signal transducer and activator of transcription 5A
UniProt Gene Name	STAT5A
UniProt Synonym Gene Names	STAT5
UniProt Entry Name	STA5A_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.

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Online datasheet: <https://stage.aaabiotech.com/stat5a-rat-elisa-kits/signal-transducer-and-activator-of-transcription-5a/82096>