

Chicken Signal Transducer And Activator Of Transcription 3 ELISA Kit | STAT3 elisa kit

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CATALOG #
AAA88382

REACTIVITY
Chicken

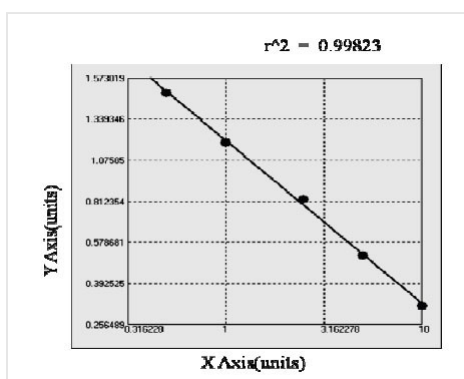
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 3; Chicken Signal Transducer And Activator Of Transcription 3 ELISA Kit; STAT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL
Intended Uses	Thisx STAT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken STAT3. 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 STAT3 elisa kit

Principle of the Assay: STAT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-STAT3 antibody and an STAT3-HRP conjugate. The assay sample and buffer are incubated together with STAT3-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 STAT3 concentration since STAT3 from samples and STAT3-HRP conjugate compete for the anti-STAT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by STAT3 from the sample, fewer sites are left to bind STAT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The STAT3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for STAT3 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	458706
NCBI GeneID	20848
UniProt Accession #	P42227; A2A5D1; B7ZC17; Q3U5Q4; Q3U6S9; Q3ULI4; Q6GU23; Q8CFJ6; Q99ML3
Molecular Weight	88,054 Da
NCBI Official Full Name	Stat3
NCBI Official Synonym Full Names	signal transducer and activator of transcription 3
NCBI Official Symbol	Stat3
NCBI Official Synonym Symbols	Aprf; AW109958; 1110034C02Rik
NCBI Protein Information	signal transducer and activator of transcription 3; acute phase response factor; acute-phase response factor
UniProt Protein Name	Signal transducer and activator of transcription 3
UniProt Gene Name	Stat3
UniProt Synonym Gene Names	Aprf
UniProt Entry Name	STAT3_MOUSE

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/stat3-chicken-elisa-kits/signal-transducer-and-activator-of-transcription-3/88382>