Sheep Signal Transducer And Activator Of Transcription 4 ELISA Kit | STAT4 elisa kit

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CATALOG #	REACTIVITY
AAA89835	**Sheep**

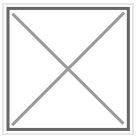
PRODUCT SYNONYMS

Signal Transducer And Activator Of Transcription 4; Sheep Signal Transducer And Activator Of Transcription 4 ELISA Kit; STAT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	0.1 ng/mL.
Intended Uses	This STAT4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep STAT4. 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 STAT4 elisa kit	**Principle of the Assay:** STAT4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for STAT4. Standards or samples are then added to the microtiter plate wells and STAT4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of STAT4 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for STAT4 are added to each well to "sandwich" the STAT4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain STAT4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The STAT4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for STAT4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507255
NCBI GeneID	6775

NCBI Accession #	NP_003142.1
NCBI GenBank Nucleotide #	NM_003151.3
Molecular Weight	85,941 Da
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.

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Online datasheet: https://stage.aaabiotech.com/stat4-sheep-elisa-kits/signal-transducer-and-activator-of-transcription-4/89835