

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

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CATALOG #
AAA93141

REACTIVITY
Canine

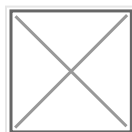
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This Smad4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Smad4. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY Smad4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Smad4 antibody and an Smad4-HRP conjugate. The assay sample and buffer are incubated together with Smad4-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 Smad4 concentration since Smad4 from samples and Smad4-HRP conjugate compete for the anti-Smad4 antibody binding site. Since the number of sites is limited, as more sites are occupied by Smad4 from the sample, fewer sites are left to bind Smad4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Smad4 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.

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Online datasheet: <https://stage.aaabiotech.com/stat6-canine-elisa-kits/signal-transducer-and-activator-of-transcription-6/93141>