

Canine Transcription factor SOX-2 (SOX2) ELISA Kit | SOX2 elisa kit

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CATALOG #
AAA245194

REACTIVITY
Canine

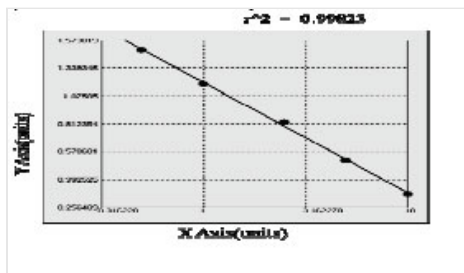
PRODUCT SYNONYMS

Transcription factor SOX-2 (SOX2); Canine Transcription factor SOX-2 (SOX2) ELISA Kit; SOX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This SOX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine SOX2. 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 SOX2 elisa kit

Principle of the Assay: SOX2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SOX2 antibody and an SOX2-HRP conjugate. The assay sample and buffer are incubated together with SOX2-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 SOX2 concentration since SOX2 from samples and SOX2-HRP conjugate compete for the anti-SOX2 antibody binding site. Since the number of sites is limited, as more sites are occupied by SOX2 from the sample, fewer sites are left to bind SOX2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SOX2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SOX2 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	28195386
NCBI GeneID	6657
NCBI Accession #	NP_003097.1
NCBI GenBank Nucleotide #	NM_003106.3
Molecular Weight	34,310 Da
NCBI Official Full Name	transcription factor SOX-2
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 2
NCBI Official Symbol	SOX2
NCBI Official Synonym Symbols	ANOP3; MCOPS3
NCBI Protein Information	transcription factor SOX-2; transcription factor SOX2; SRY-related HMG-box gene 2
UniProt Protein Name	Transcription factor SOX-2
UniProt Gene Name	SOX2
UniProt Entry Name	SOX2_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://www.aaabiotech.com/canine-elisa-kits/transcription-factor-sox-2-sox2/245194>