

Rat Transcription factor SOX-9 (SOX9) ELISA Kit | SOX9 elisa kit

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CATALOG #
AAA245871

REACTIVITY
Rat

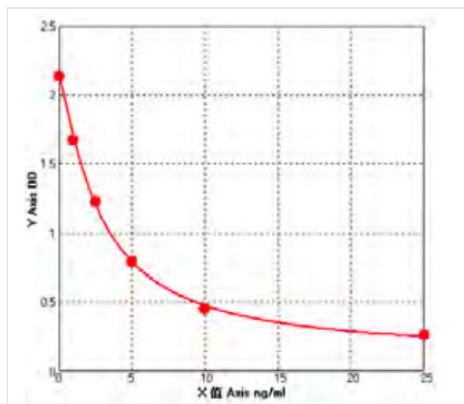
PRODUCT SYNONYMS

Transcription factor SOX-9 (SOX9); Rat Transcription factor SOX-9 (SOX9) ELISA Kit; SOX9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SOX9. No significant cross-reactivity or interference between SOX9 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SOX9 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SOX9 elisa kit	Principle of the Assay: SOX9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SOX9 antibody and an SOX9-HRP conjugate. The assay sample and buffer are incubated together with SOX9-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 SOX9 concentration since SOX9 from samples and SOX9-HRP conjugate compete for the anti-SOX9 antibody binding site. Since the number of sites is limited, as more sites are occupied by SOX9 from the sample, fewer sites are left to bind SOX9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SOX9 concentration in each sample is interpolated from this standard curve. Intended Uses: This SOX9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SOX9. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for SOX9 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557853
NCBI GeneID	6662
NCBI Accession #	NP_000337.1
NCBI GenBank Nucleotide #	NM_000346.3
Molecular Weight	56,137 Da
NCBI Official Full Name	transcription factor SOX-9
NCBI Official Synonym Full Names	SRY (sex determining region Y)-box 9
NCBI Official Symbol	SOX9
NCBI Official Synonym Symbols	CMD1; SRA1; CMPD1
NCBI Protein Information	transcription factor SOX-9; SRY-related HMG-box, gene 9; SRY (sex-determining region Y)-box 9 protein
UniProt Protein Name	Transcription factor SOX-9
UniProt Gene Name	SOX9
UniProt Entry Name	SOX9_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.