

Sheep Sex Determining Region Y Box Protein 2 ELISA Kit | SOX2 elisa kit

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CATALOG #
AAA94769

REACTIVITY
Sheep

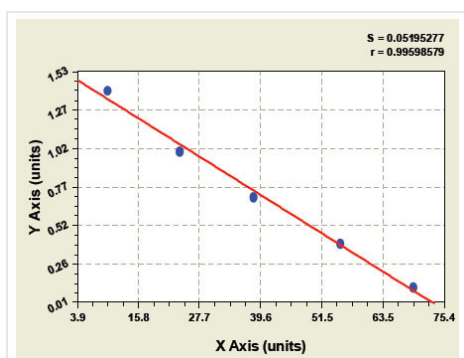
PRODUCT SYNONYMS

Sex Determining Region Y Box Protein 2; Sheep Sex Determining Region Y Box Protein 2 ELISA Kit; SOX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 SOX2 elisa kit

Intended Uses: This SOX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep SOX2. This ELISA kit for research use only!

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

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	21436497
Molecular Weight	8,352 Da
NCBI Official Full Name	SOX2, partial
UniProt Protein Name	SOX2
UniProt Gene Name	SOX2
UniProt Entry Name	Q8MIP3_ORNAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sox2-sheep-elisa-kits/sex-determining-region-y-box-protein-2/94769>