

Sheep Cyclooxygenase 1 ELISA Kit | COX1 elisa kit

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CATALOG #
AAA95942

REACTIVITY
Sheep

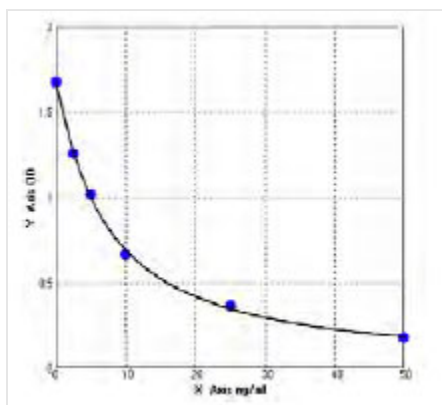
PRODUCT SYNONYMS

Cyclooxygenase 1; Sheep Cyclooxygenase 1 ELISA Kit; COX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative 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 COX1 elisa kit

Intended Uses: This COX-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat COX-1. This ELISA kit for research use only!

Principle of the Assay: COX-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COX-1 antibody and an COX-1-HRP conjugate. The assay sample and buffer are incubated together with COX-1-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 COX-1 concentration since COX-1 from samples and COX-1-HRP conjugate compete for the anti-COX-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by COX-1 from the sample, fewer sites are left to bind COX-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117307526
NCBI GeneID	100037245
Molecular Weight	67,792 Da
NCBI Official Full Name	cyclooxygenase 1
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)<
NCBI Official Symbol	ptgs1
NCBI Official Synonym Symbols	cox1
NCBI Protein Information	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase); prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase); cyclooxygenase 1
UniProt Protein Name	Cyclooxygenase 1
UniProt Gene Name	ptgs1
UniProt Synonym Gene Names	COX1
UniProt Entry Name	A0A9J3_XENLA

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.