

Goat Cyclooxygenase 2 ELISA Kit | COX2 elisa kit

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CATALOG #
AAA89326

REACTIVITY
Goat

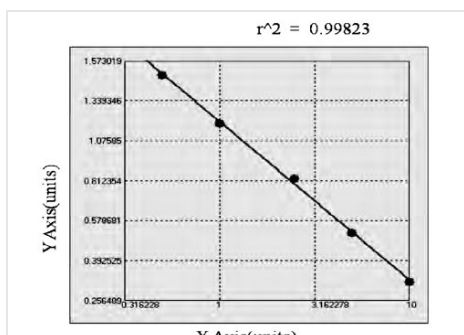
PRODUCT SYNONYMS

Cyclooxygenase 2; Goat Cyclooxygenase 2 ELISA Kit; COX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This COX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat COX2. 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 COX2 elisa kit

Principle of the assay: COX2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COX2 antibody and an COX2-HRP conjugate. The assay sample and buffer are incubated together with COX2-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 COX2 concentration since COX2 from samples and COX2-HRP conjugate compete for the anti-COX2 antibody binding site. Since the number of sites is limited, as more sites are occupied by COX2 from the sample, fewer sites are left to bind COX2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for COX2 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	181254
NCBI GeneID	5743
Molecular Weight	68,996 Da
NCBI Official Full Name	cyclooxygenase-2
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
NCBI Official Symbol	PTGS2
NCBI Official Synonym Symbols	COX2; COX-2; PHS-2; PGG/HS; PGHS-2; hCox-2; GRIPGHS
NCBI Protein Information	prostaglandin G/H synthase 2; PHS II; PGH synthase 2; cyclooxygenase 2b; prostaglandin H2 synthase 2
UniProt Protein Name	Prostaglandin G/H synthase 2
UniProt Gene Name	PTGS2
UniProt Synonym Gene Names	COX2; COX-2; PGH synthase 2; PGHS-2
UniProt Entry Name	PGH2_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/cox2-goat-elisa-kits/cyclooxygenase-2/89326>