

Bovine Cyclooxygenase 2 ELISA Kit | COX2 elisa kit

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CATALOG #
AAA92259

REACTIVITY
Bovine

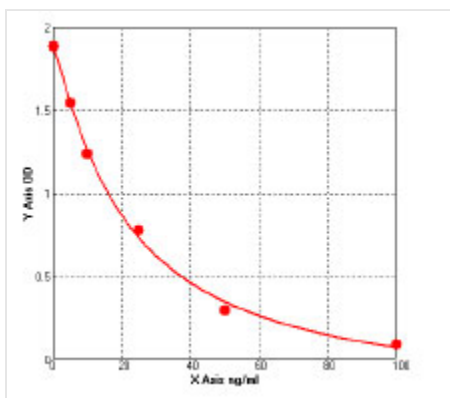
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COX2 elisa kit

Intended Uses: This COX11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken COX11. This ELISA kit for research use only!

Principle of the Assay: COX11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COX11 antibody and an COX11-HRP conjugate. The assay sample and buffer are incubated together with COX11-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 COX11 concentration since COX11 from samples and COX11-HRP conjugate compete for the anti-COX11 antibody binding site. Since the number of sites is limited, as more sites are occupied by COX11 from the sample, fewer sites are left to bind COX11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COX11 concentration in each sample is interpolated from this standard curve.

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-bovine-ovine-elisa-kits/cyclooxygenase-2/92259>