

Human cyclooxygenase-1, COX-1 ELISA Kit | COX-1 elisa kit

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CATALOG #
AAA42939

REACTIVITY
Human

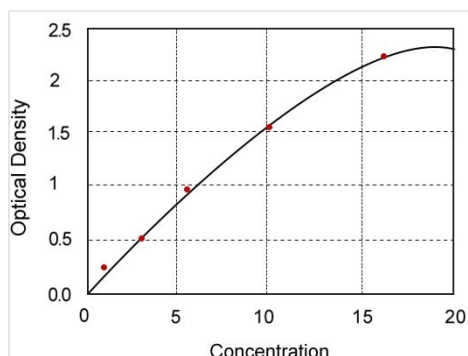
PRODUCT SYNONYMS

cyclooxygenase-1; COX-1; Human cyclooxygenase-1; COX-1 ELISA Kit; COX-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	18
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.5U/ml - 150U/ml
Sensitivity	0.26U/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COX-1 elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Cyclooxygenase-1 (also known as COX-1) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human COX-1 antibody. COX-1 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human COX-1 Antibody is added and binds to COX-1 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated COX-1 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human COX-1. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1480922
NCBI GeneID	5742
Molecular Weight	64,513 Da
NCBI Official Full Name	cyclooxygenase-1, partial
NCBI Official Synonym Full Names	prostaglandin-endoperoxide synthase 1
NCBI Official Symbol	PTGS1
NCBI Official Synonym Symbols	COX1; COX3; PHS1; PCOX1; PES-1; PGHS1; PTGHS; PGG/HS; PGHS-1
NCBI Protein Information	prostaglandin G/H synthase 1
UniProt Protein Name	Prostaglandin G/H synthase 1
UniProt Gene Name	PTGS1
UniProt Synonym Gene Names	COX1; COX-1; PGH synthase 1; PGHS-1; PHS 1

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/human-elisa-kits/cyclooxygenase-1-cox-1/42939>