

Sheep Prostaglandin reductase 1 (PTGR1) ELISA Kit | PTGR1 elisa kit

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CATALOG #
AAA244361

REACTIVITY
Sheep

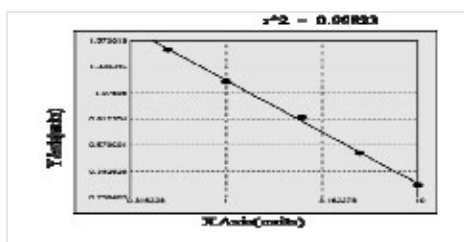
PRODUCT SYNONYMS

Prostaglandin reductase 1 (PTGR1); Sheep Prostaglandin reductase 1 (PTGR1) ELISA Kit; PTGR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 PTGR1 elisa kit

Intended Uses: This PTGR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep PTGR1.

Principle of the Assay: PTGR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PTGR1 antibody and an PTGR1-HRP conjugate. The assay sample and buffer are incubated together with PTGR1-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 PTGR1 concentration since PTGR1 from samples and PTGR1-HRP conjugate compete for the anti-PTGR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PTGR1 from the sample, fewer sites are left to bind PTGR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTGR1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PTGR1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	290543581
NCBI GeneID	100135572
NCBI Accession #	NP_001166451.1
NCBI GenBank Nucleotide #	NM_001172980.1
Molecular Weight	35,730 Da
NCBI Official Full Name	prostaglandin reductase 1
NCBI Official Symbol	Ptgr1
NCBI Official Synonym Symbols	Ltb4dh
NCBI Protein Information	prostaglandin reductase 1; PGR; LTB4; 12-HD; PRG-1; 15-oxoprostaglandin 13-reductase; leukotriene B4 12-hydroxydehydrogenase; NADP-dependent leukotriene B4 12-hydroxydehydrogenase; leukotriene b4 12-hydroxydehydrogenase/prostaglandin 15-keto reductase
UniProt Protein Name	Prostaglandin reductase 1
UniProt Gene Name	Ptgr1
UniProt Synonym Gene Names	Ltb4dh; PRG-1; PGR; 12-HD; LTB4
UniProt Entry Name	PTGR1_CAVPO

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/sheep-elisa-kits/prostaglandin-reductase-1-ptgr1/244361>