

Human Prostaglandin Reductase 2 (PTGR2) ELISA Kit | PTGR2 elisa kit

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CATALOG #
AAA331248

REACTIVITY
Human

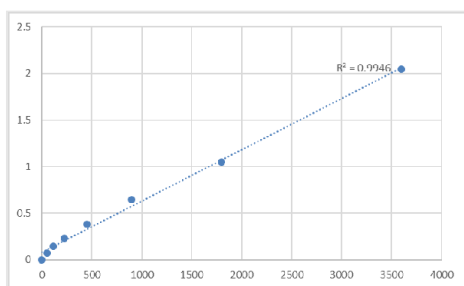
PRODUCT SYNONYMS

Prostaglandin Reductase 2 (PTGR2); Human Prostaglandin Reductase 2 (PTGR2) ELISA Kit; PTGR2; DKFZp686P10120; FLJ39091; FLJ99229; PGR2; ZADH1; 15-oxoprostaglandin-delta13-reductase; zinc binding alcohol dehydrogenase; domain containing 1; PTGR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prostaglandin reductase 2 (PTGR2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTGR2. No significant cross-reactivity or interference between Human PTGR2 and analogues was observed.
Sequence Length	351
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Prostaglandin reductase 2 (PTGR2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTGR2 elisa kit	Description: This Human Prostaglandin reductase 2 (PTGR2) ELISA Kit employs a two-site sandwich ELISA to quantitate PTGR2 in samples. An antibody specific for PTGR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTGR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTGR2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTGR2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PTGR2 is an enzyme involved in the metabolism of prostaglandins. The encoded protein catalyzes the NADPH-dependent conversion of 15-keto-prostaglandin E2 to 15-keto-13,14-dihydro-prostaglandin E2. This protein may also be involved in regulating activation of the peroxisome proliferator-activated receptor. Alternative splicing results in multiple transcript variants. ZADH1 has a domain characteristic of the zinc-containing ADH family, a proline-rich motif, and a putative NADP(+)-binding domain. RT-PCR detected ubiquitous expression of the shorter ZADH1 transcript (ZADH1b), with highest expression in kidney, liver, pancreas, prostate, and heart, followed by lung, skeletal muscle, testis, small intestine, and brain. Expression was low in all other tissues examined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226246680
NCBI GeneID	145482
NCBI Accession #	NP_001139626.1
NCBI GenBank Nucleotide #	NP_001139626.1
UniProt Accession #	Q8N8N7
NCBI Official Full Name	prostaglandin reductase 2
NCBI Official Synonym Full Names	prostaglandin reductase 2
NCBI Official Symbol	PTGR2
NCBI Official Synonym Symbols	PGR2; ZADH1; HEL-S-298
NCBI Protein Information	prostaglandin reductase 2
UniProt Protein Name	Prostaglandin reductase 2
UniProt Gene Name	PTGR2
UniProt Synonym Gene Names	ZADH1; PRG-2
UniProt Entry Name	PTGR2_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/human-elisa-kits/prostaglandin-reductase-2-ptgr2/331248>