Human Prostaglandin reductase 2 (PTGR2) ELISA Kit

Catalog No: #EK8016

Package Size: #EK8016-1 48T #EK8016-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Prostaglandin reductase 2 (PTGR2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DKFZp686P10120; FLJ39091; FLJ99229; PGR2; ZADH1; 15-oxoprostaglandin-delta13-reductase|zinc binding alcohol dehydrogenase; domain containing 1
Accession No.	Q8N8N7
Uniprot	Q8N8N7
GeneID	145482;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyPTGR2 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.Product Overview: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.

Note: This product is for in vitro research use only