

General Prostaglandin E2 ELISA Kit | PGE2 elisa kit

Prostaglandin E2 ELISA Kit

CATALOG #
AAA17546

REACTIVITY
General

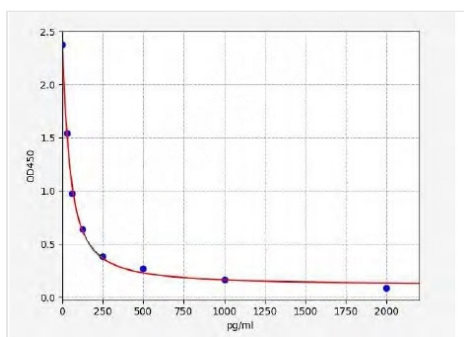
PRODUCT SYNONYMS

Prostaglandin E2; Prostaglandin E2 ELISA Kit; PGE2 (Prostaglandin E2); PGE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of PGE2. No significant cross-reactivity or interference between PGE2 and analogues was observed.
Sequence Length	488
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGE2 elisa kit	Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with target. During the reaction, target in the sample or standard competes with a fixed amount of target on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to target. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of target in the samples is then determined by comparing the OD of the samples to the standard curve.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506259
NCBI GeneID	5734
NCBI Accession #	NP_000949.1
NCBI GenBank Nucleotide #	NM_000958.2
Molecular Weight	53,119 Da
NCBI Official Full Name	prostaglandin E2 receptor EP4 subtype
NCBI Official Synonym Full Names	prostaglandin E receptor 4
NCBI Official Symbol	PTGER4
NCBI Official Synonym Symbols	EP4; EP4R
NCBI Protein Information	prostaglandin E2 receptor EP4 subtype
UniProt Protein Name	Prostaglandin E2 receptor EP4 subtype
UniProt Gene Name	PTGER4
UniProt Synonym Gene Names	PTGER2; PGE receptor EP4 subtype; PGE2 receptor EP4 subtype
UniProt Entry Name	PE2R4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pge2-general-elisa-kits/prostaglandin-e2/17546>