

General PGF2alpha (Prostaglandin F2 Alpha) ELISA Kit | PGF2alpha elisa kit

Universal PGF2alpha (Prostaglandin F2 Alpha) ELISA Kit

CATALOG #
AAA248562

REACTIVITY
General

PRODUCT SYNONYMS

PGF2alpha (Prostaglandin F2 Alpha); Universal PGF2alpha (Prostaglandin F2 Alpha) ELISA Kit; PGF2alpha 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 is observed.
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PGE2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PGE2 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: 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

Typical Data & Standard Curve

Results of a typical standard operation of a PGF2α ELISA kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	pg/ml	0	7.812	15.625	31.25	62.5	125	250	500
Y	OD450	2.512	1.688	0.818	0.405	0.166	0.109	0.055	0.008

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGF2alpha 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 PGE2. During the reaction, PGE2 in the sample or standard competes with a fixed amount of PGE2 on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to PGE2. 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 PGE2 in the samples is then determined by comparing the O D of the samples to the standard curve.

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.