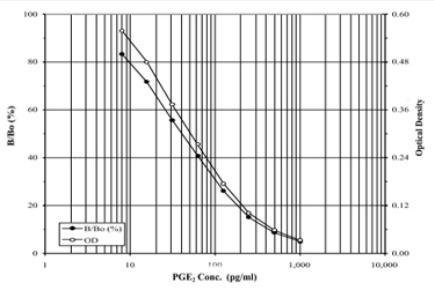
Prostaglandin E2 ELISA Kit

Catalog # KA0326 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	PGE2 High Sensitivity ELISA Kit is a competitive immunoassay for the quantitative determination of Prostaglandin E2 in biological fluids.
Suitable Sample	Saliva, Serum, Tissue culture media, Urine and Whole Blood
Sample Volume	100 uL
Label	AP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	6.30%
Inter-Assay	10.90%
Spiking Recovery	Cell Culture Supernatant: 104.40%, Male Serum: 126.10%, Female Serum: 113.70%, Saliva: 123.30 %, Urine: 108.90%, Whole Blood: 101.20%
Calibration Range	7.8 to 1000 pg/mL
Limit of Detection	8.26 pg/mL
Regulation Status	For research use only (RUO)

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Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	The standard and conjugate must be stored at -20°C; others store at 4°C.

Applications

- Quantification

Publication Reference

- Anti-Inflammatory Activity of Monoterpene Phenol Dimers from Satureja bachtiarica.

  Simone Di Micco, Milena Masullo, Noemi Marigliano, Ester Colarusso, Marzieh Rahmani Samani, Anna Schettino, Anella Saviano, Francesco Maione, Sonia Piacente, Giuseppe Bifulco.

  ACS Omega 2026 Sep; 11(37):55272.

  Application: ELISA, Quant, Mouse, J774A.1 cells

- A Biomarker-Driven Ovary-Endometrium Organ-on-a-Chip Mimicking 3D Multicellular Complexity and Menstrual Cyclicity for Predicting Reproductive Toxicity.

  Soo-Rim Kim, Eun-Kyung Min, Choon-Mi Lee, Chan Hum Park, Byung-Chul Oh, YunJae Jung, In-Sun Hong

  Adv Sci (Weinh) 2026 5; 13(30):e11098.

- 5α-Epoxyalantolactone from Inula macrophylla attenuates cognitive deficits in scopolamine-induced Alzheimer's disease mice model.

  Rui Ma, Xu-Yao Feng, Jiang-Jiang Tang, Wei Ha, Yan-Ping Shi.

  Nat Prod Bioprospect 2024 Jul; 14(1):39.

  Application: ELISA, Murine, BV-2 cell

- Effects of Eye Drops Containing Hyaluronic Acid-Nimesulide Conjugates in a Benzalkonium Chloride-Induced Experimental Dry Eye Rabbit Model.

  Tzu-Yang Chen, Ching-Li Tseng, Chih-An Lin, Hua-Yang Lin, Parthiban Venkatesan, Ping-Shan Lai

  Pharmaceutics 2021 Aug; 13(9):0.

- Protective Effect of Pyrus ussuriensis Maxim. Extract against Ethanol-Induced Gastritis in Rats.

  Naila Boby, Muhammad Aleem Abbas, Eon-Bee Lee, Zi-Eum Im, Walter H Hsu, Seung-Chun Park

  Antioxidants (Basel) 2021 Mar; 10(3):0.

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- Anti-inflammatory activity of the dietary supplement Houttuynia cordata fermentation product in RAW264.7 cells and Wistar rats.

  Khanutsanan Woranam, Gulsiri Senawong, Suppawit Utaiwat, Sirinda Yunchalard, Jintana Sattayasai, Thanaset Senawong.

  PLoS One 2020 Mar; 15(3):e0230645.

  Application: Quant, Mouse, Raw 264.7 cells

- Upregulated immuno-modulator PD-L1 in malignant peripheral nerve sheath tumors provides a potential biomarker and a therapeutic target.

  Farschtschi S, Kluwe L, Park SJ, Oh SJ, Mah N, Mautner VF, Kurtz A.

  Cancer Immunology, Immunotherapy : CII 2020 Jul; 69(7):1307.

  Application: ELISA, Human, Serum

- Exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin increases the activation of aryl hydrocarbon receptor and is associated with the aggressiveness of osteosarcoma MG-63 osteoblast-like cells.

  Shih-Chieh Yang, Chin-Hsien Wu, Yuan-Kun Tu, Shin-Yu Huang, Pai-Chien Chou

  Oncol Lett 2018 9; 16(3):3849-3857.

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