

Human Benzo Pyrene Dihydrodiol Epoxide ELISA Kit | BPDE elisa kit

Human BPDE (Benzo Pyrene Dihydrodiol Epoxide) ELISA Kit

CATALOG #
AAA171425

REACTIVITY
Human

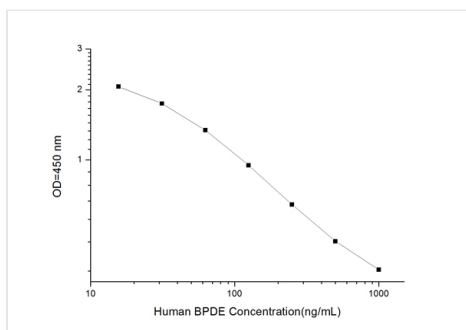
PRODUCT SYNONYMS

Benzo Pyrene Dihydrodiol Epoxide; Human BPDE (Benzo Pyrene Dihydrodiol Epoxide) ELISA Kit; BPDE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes HumanBPDEin samples. No significantcross-reactivity or interference between HumanBPDE and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	15.63-1000ng/mL
Sensitivity	9.38ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level HumanBPDE were tested 20times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level HumanBPDE were testedon 3 different plates, 20 replicates in eachplate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BPDE elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of HumanBPDE concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses theCompetitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with HumanBPDE. During the reaction, HumanBPDE in the sample or standard competes with a fixed amount of HumanBPDE on the solid phase supporter for sites on the Biotinylated Detection Ab specific to HumanBPDE. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of HumanBPDE in the samples is then determined by comparing the OD of the samples to the standard curve.
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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/bpde-human-elisa-kits/benzo-pyrene-dihydrodiol-epoxide/171425>