

Rat Benzo Pyrene Dihydrodiol Epoxide ELISA Kit | BPDE elisa kit

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CATALOG #
AAA81933

REACTIVITY
Rat

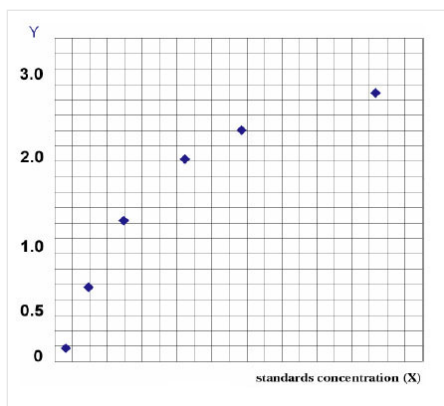
PRODUCT SYNONYMS

Benzo Pyrene Dihydrodiol Epoxide; Rat Benzo Pyrene Dihydrodiol Epoxide ELISA Kit; BPDE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BPDE elisa kit	Intended Uses: This BPDE ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of BPDE in the sample, this BPDE ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus BPDE concentration. The concentration of BPDE in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: This BPDE enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for BPDE. Standards or samples are then added to the microtiter plate wells and BPDE if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of BPDE present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for BPDE are added to each well to "sandwich" the BPDE immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain BPDE and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
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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-rat-elisa-kits/benzo-pyrene-dihydrodiol-epoxide/81933>