

Rabbit Benzo Pyrene Dihydrodiol Epoxide ELISA Kit | BPDE elisa kit

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CATALOG #
AAA86024

REACTIVITY
Rabbit

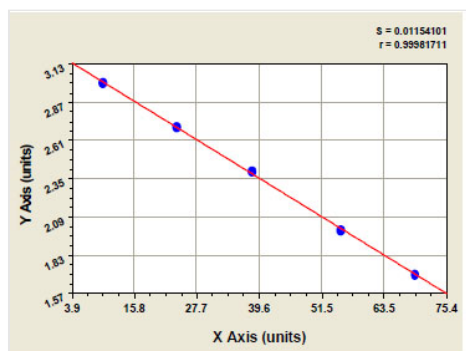
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This BPDE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit BPDE. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BPDE elisa kit

Principle of the assay: BPDE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-BPDE antibody and an BPDE-HRP conjugate. The assay sample and buffer are incubated together with BPDE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BPDE concentration since BPDE from samples and BPDE-HRP conjugate compete for the anti-BPDE antibody binding site. Since the number of sites is limited, as more sites are occupied by BPDE from the sample, fewer sites are left to bind BPDE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BPDE concentration in each sample is interpolated from this 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/bpde-rabbit-elisa-kits/benzo-pyrene-dihydrodiol-epoxide/86024>