

Human estrogen, E ELISA Kit | E elisa kit

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CATALOG #
AAA79898

REACTIVITY
Human

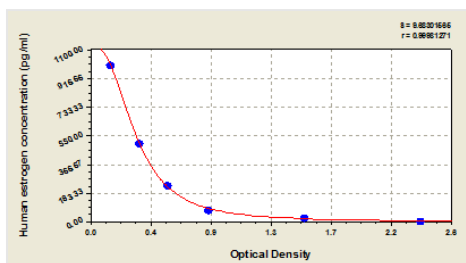
PRODUCT SYNONYMS

estrogen; E; Human estrogen; E ELISA Kit; E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Assay Type	Competitive
Detection Range	38.46 pg/ml-1000 pg/ml
Sensitivity	38.46 pg/ml
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for E elisa kit	Introduction: Estrogens are a group of steroid compounds, named for their importance in the estrous cycle, and functioning as the primary female sex hormone, their name comes from estrus/oistros (period of fertility for female mammals) + gen/gonos = to generate. Estrogens are used as part of some oral contraceptives, in estrogen replacement therapy for postmenopausal women, and in hormone replacement therapy for trans women. Like all steroid hormones, estrogens readily diffuse across the cell membrane. Once inside the cell, they bind to and activate estrogen receptors which in turn up-regulate the expression of many genes. Additionally, estrogens have been shown to activate a G protein-coupled receptor, GPR30. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for Estrogen and Horseradish Peroxidase (HRP) conjugated Estrogen, then incubated. A competitive inhibition reaction is launched between Estrogen (Standards or samples) and Horseradish Peroxidase (HRP) conjugated Estrogen with the antibody specific for Estrogen. The more the amount of Estrogen in samples, the less antibody bound by Horseradish Peroxidase (HRP) conjugated Estrogen. The substrate solutions are added to the wells, respectively. And the color develops in opposite to the amount of Estrogen in the sample. The color development is stopped and the intensity of the color is measured.
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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/human-elisa-kits/estrogen-e/79898>