

Mouse Estrogen (Estrogen) ELISA Kit

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CATALOG #
AAA17771

REACTIVITY
Mouse

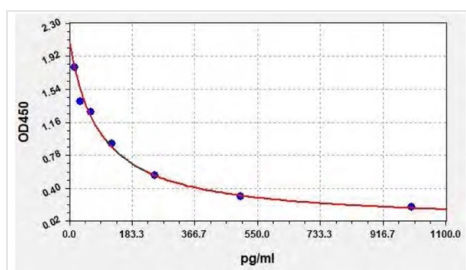
PRODUCT SYNONYMS

Estrogen (Estrogen); Mouse Estrogen (Estrogen); Estrogen (Estrogen) elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Estrogen, no obvious cross reaction with other analogues
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Estrogen (Estrogen) elisa kit	Background: Estrogen is a substance that promotes the development of secondary sexual characteristics and the maturation of sexual organs in female animals. It is secreted by the ovaries and placenta of female animals. Estrogen receptors are found in the uterus, vagina, breasts, and pelvis, as well as the skin, bladder, urethra, bones, and brain, so estrogen has a wide range of important physiological effects. Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with Estrogen. During the reaction, Estrogen in the sample or standard competes with a fixed amount of Estrogen on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to Estrogen. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzymesubstrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of Estrogen in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/estrogen-estrogen/17771>