

Rat Estrogen Receptor Alpha ELISA Kit | ERalpha elisa kit

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CATALOG #
AAA84766

REACTIVITY
Rat

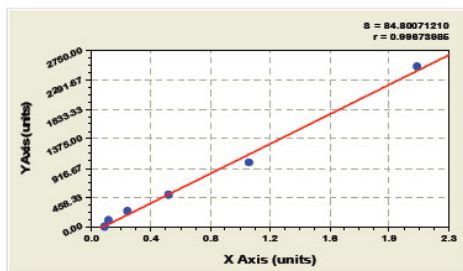
PRODUCT SYNONYMS

Estrogen Receptor Alpha; Rat Estrogen Receptor Alpha ELISA Kit; ERalpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This ERalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ERalpha. 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 ERalpha elisa kit

Principle of the Assay: ERalpha ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ERalpha. Standards or samples are then added to the microtiter plate wells and ERalpha if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ERalpha present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for ERalpha are added to each well to "sandwich" the ERalpha immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ERalpha and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ERalpha concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ERalpha elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	5821726
Molecular Weight	35,547 Da
NCBI Official Full Name	estrogen receptor alpha, partial
UniProt Protein Name	Estrogen receptor
UniProt Gene Name	ESR1
UniProt Synonym Gene Names	ESR; NR3A1; ER
UniProt Entry Name	ESR1_HUMAN

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/eralpha-rat-elisa-kits/estrogen-receptor-alpha/84766>