

Human Estrogen Receptor Alpha ELISA Kit | ERAAlpha elisa kit

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CATALOG #
AAA82723

REACTIVITY
Human

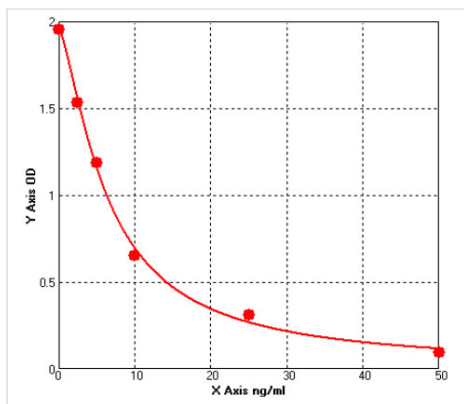
PRODUCT SYNONYMS

Estrogen Receptor Alpha; Human Estrogen Receptor Alpha ELISA Kit; ERAAlpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ERAAlpha. No significant cross-reactivity or interference between ERAAlpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ERAAlpha and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This ER? ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ER?. 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 competitive enzyme immunoassay technique utilizing an anti-ERalpha antibody and an ERalpha -HRP conjugate. The assay sample and buffer are incubated together with ERalpha -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 ERalpha concentration since ERalpha from samples and ERalpha -HRP conjugate compete for the anti-ERalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by ERalpha from the sample, fewer sites are left to bind ERalpha -HRP conjugate. 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. Intended Uses: This ERalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ERalpha. This ELISA kit for research use only, not for therapeutic or test applications!
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-human-elisa-kits/estrogen-receptor-alpha/82723>