

Human Estradiol receptor ELISA Kit | ER elisa kit

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CATALOG #
AAA85358

REACTIVITY
Human

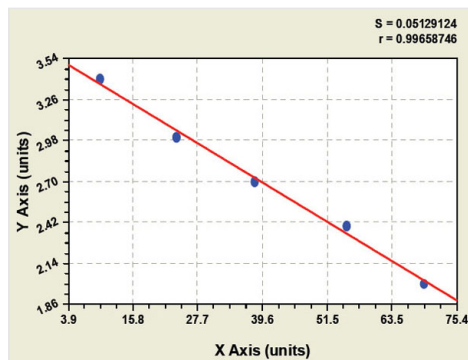
PRODUCT SYNONYMS

Estradiol receptor; Human Estradiol receptor ELISA Kit; ER elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	1.0pg/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 ER elisa kit

Principle of the Assay: ER ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ER antibody and an ER-HRP conjugate. The assay sample and buffer are incubated together with ER-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 ER concentration since ER from samples and ER-HRP conjugate compete for the anti-ER antibody binding site. Since the number of sites is limited, as more sites are occupied by ER from the sample, fewer sites are left to bind ER-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ER concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	170295804
NCBI GeneID	2099
NCBI Accession #	NP_001116214.1
NCBI GenBank Nucleotide #	NM_001122742.1
Molecular Weight	35,547 Da
NCBI Official Full Name	estrogen receptor isoform 1
NCBI Official Synonym Full Names	estrogen receptor 1
NCBI Official Symbol	ESR1
NCBI Official Synonym Symbols	ER; ESR; Era; ESRA; ESTRR; NR3A1
NCBI Protein Information	estrogen receptor; ER-alpha; estradiol receptor; estrogen nuclear receptor alpha; estrogen receptor alpha E1-E2-1-2; estrogen receptor alpha E1-N2-E2-1-2; nuclear receptor subfamily 3 group A member 1
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.