

Goat Estrogen receptor ELISA Kit | ER elisa kit

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CATALOG #
AAA92744

REACTIVITY
Goat

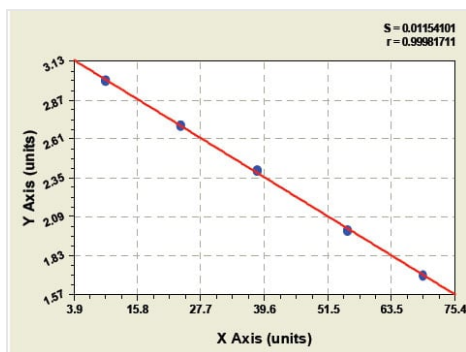
PRODUCT SYNONYMS

Estrogen receptor; Goat Estrogen receptor ELISA Kit; ER elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ER elisa kit

Intended Uses: This ER ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat ER. This ELISA kit for research use only!

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.

Product Categories/Family for ER elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	544257
NCBI GeneID	2099
Molecular Weight	35,547 Da
NCBI Official Full Name	Estrogen receptor
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.

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Online datasheet: <https://stage.aaabiotech.com/er-goat-elisa-kits/estrogen-receptor/92744>