

Rat Estrogen Receptor Beta ELISA Kit | ERbeta elisa kit

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CATALOG #
AAA85378

REACTIVITY
Rat

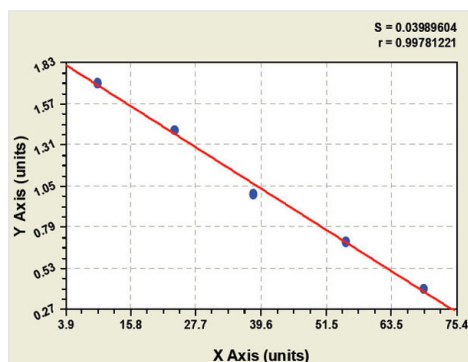
PRODUCT SYNONYMS

Estrogen Receptor Beta; Rat Estrogen Receptor Beta ELISA Kit; ERbeta elisa kit

PRODUCT SPECIFICATIONS

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

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

Product Categories/Family for ERbeta elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	57619192
NCBI GeneID	443066
NCBI Accession #	NP_001009737.1
NCBI GenBank Nucleotide #	NM_001009737.1
Molecular Weight	36,176 Da
NCBI Official Full Name	estrogen receptor beta
NCBI Official Symbol	ESR2
NCBI Official Synonym Symbols	ERB; ERBETA
NCBI Protein Information	estrogen receptor beta; ER-beta; steroid receptor; nuclear receptor subfamily 3 group A member 2
UniProt Protein Name	Estrogen receptor beta
UniProt Gene Name	ESR2
UniProt Synonym Gene Names	NR3A2; ER-beta
UniProt Entry Name	ESR2_SHEEP

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/erbeta-rat-elisa-kits/estrogen-receptor-beta/85378>