

Human Estrogen Receptor Beta (ERb) ELISA Kit | ERb elisa kit

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CATALOG #
AAA139018

REACTIVITY
Human

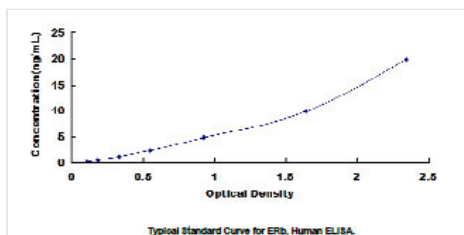
PRODUCT SYNONYMS

Estrogen Receptor Beta (ERb); Human Estrogen Receptor Beta (ERb) ELISA Kit; ER-B; ESRB; ESTRB; NR3A2; NR3-A2; ESR2; Estrogen Receptor 2; Nuclear Receptor Subfamily 3; Group A; Member 2; ERb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Estrogen Receptor Beta (ERb). No significant cross-reactivity or interference between Estrogen Receptor Beta (ERb) and analogues was observed.
Sequence Length	430
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.127ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Estrogen Receptor Beta (ERb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Estrogen Receptor Beta (ERb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERb elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Estrogen Receptor Beta (ERb). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Estrogen Receptor Beta (ERb). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Estrogen Receptor Beta (ERb), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Estrogen Receptor Beta (ERb) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ERb elisa kit	Endocrinology; Reproductive science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978817
NCBI GeneID	25149
NCBI Accession #	NP_036886.1
NCBI GenBank Nucleotide #	NM_012754.1
UniProt Accession #	Q62986; O35784; O35785; O55015; O55016; O70195; Q9R185
Molecular Weight	47,904 Da
NCBI Official Full Name	estrogen receptor beta
NCBI Official Synonym Full Names	estrogen receptor 2 (ER beta)
NCBI Official Symbol	Esr2
NCBI Official Synonym Symbols	Erb2; ERbeta; ER-beta
NCBI Protein Information	estrogen receptor beta
UniProt Protein Name	Estrogen receptor beta
UniProt Gene Name	Esr2
UniProt Synonym Gene Names	Erbeta; Nr3a2; ER-beta
UniProt Entry Name	ESR2_RAT

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/human-elisa-kits/estrogen-receptor-beta-erb/139018>