

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

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CATALOG #
AAA183390

REACTIVITY
Mouse

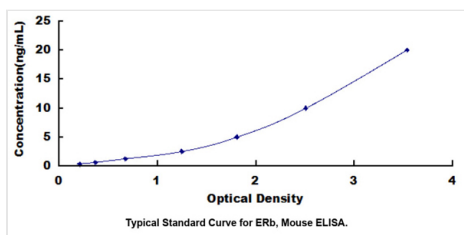
PRODUCT SYNONYMS

Estrogen Receptor Beta (ERb); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ERb. No significant cross-reactivity or interference between ERb and analogues was observed.
Sequence Length	485
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.121ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ERb were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ERb were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ERb. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 ERb in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ERb in mouse tissue homogenates, cell lysates and other biological fluids.
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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
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

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/mouse-elisa-kits/estrogen-receptor-beta-erb/183390>