

Mouse Estrogen Receptor Beta ELISA Kit | ERbeta elisa kit

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CATALOG #
AAA17678

REACTIVITY
Mouse

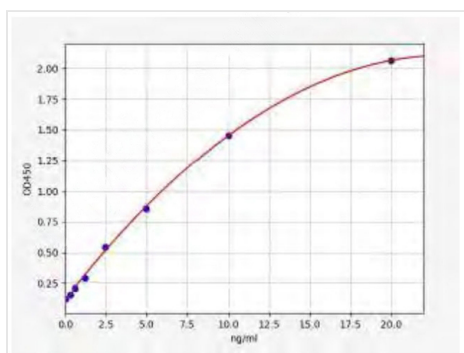
PRODUCT SYNONYMS

Estrogen Receptor Beta; Mouse Estrogen Receptor Beta ELISA Kit; Erb/ESR2/NR3A2/Erb/ER-beta/ER-BETA/ESR-BETA/ESTRB/estrogen receptor 2 (ER beta)/estrogen receptor beta/estrogen receptor beta 4/NR3A2ESRB/Nuclear receptor subfamily 3 group A member 2; ERbeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize ERbeta, no obvious cross reaction with other analogues
Sequence Length	567
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERbeta elisa kit	Background: Estrogen Receptor 2(ESR2) is a member of the family of estrogen receptors and superfamily of nuclear receptor transcription factors. ESR2 contains an N-terminal DNA binding domain and C-terminal ligand binding domain and is localized to the nucleus, cytoplasm, and mitochondria. Upon binding to 17beta-estradiol or related ligands, ESR2 forms homo- or hetero-dimers that interact with specific DNA sequences to activate transcription. Diseases associated with ESR2 include Ovarian Dysgenesis 8 and Thyroid Carcinoma, Familial Medullary. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti ERbeta antibody was precoated onto the 96-well plate. The biotin conjugated anti ERbeta antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with ERbeta conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of ERbeta in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	46877096
NCBI GeneID	13983
NCBI Accession #	NP_997590.1
NCBI GenBank Nucleotide #	NM_207707.1
Molecular Weight	42,107 Da
NCBI Official Full Name	estrogen receptor beta isoform 1
NCBI Official Synonym Full Names	estrogen receptor 2 (beta)
NCBI Official Symbol	Esr2
NCBI Official Synonym Symbols	ER[b]; Estrb; ERbeta
NCBI Protein Information	estrogen receptor beta
UniProt Protein Name	Estrogen receptor beta
UniProt Gene Name	Esr2
UniProt Synonym Gene Names	Estrb; Nr3a2; ER-beta
UniProt Entry Name	ESR2_MOUSE

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-mouse-elisa-kits/estrogen-receptor-beta/17678>