

Mouse Estrogen Receptor Alpha (ERa) ELISA Kit | ERa elisa kit

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CATALOG #
AAA66220

REACTIVITY
Mouse

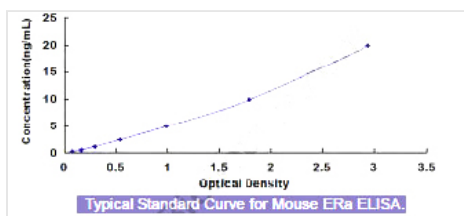
PRODUCT SYNONYMS

Estrogen Receptor Alpha (ERa); Mouse Estrogen Receptor Alpha (ERa) ELISA Kit; ER-A1; ER; ESR; ESR1; ESRA; NR3A1; NR3-A1; Estrogen Receptor 1; Nuclear Receptor Subfamily 3; Group A; Member 1; ERa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ERa. No significant cross-reactivity or interference between ERa and analogues was observed.
Sequence Length	599
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.146ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ERa 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 ERa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ERa elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ERa in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ERa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ERa. 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 ERa, 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 ERa in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	700274121
NCBI GeneID	13982
NCBI Accession #	NP_001289460.1
NCBI GenBank Nucleotide #	NM_001302531.1
UniProt Accession #	P19785; Q9JJT5; Q9QY51; Q9QY52
Molecular Weight	66,955 Da
NCBI Official Full Name	estrogen receptor isoform 1
NCBI Official Synonym Full Names	estrogen receptor 1 (alpha)
NCBI Official Symbol	Esr1
NCBI Official Synonym Symbols	ER; ERa; ESR; Estr; Estra; Nr3a1; ERalpha; ER-alpha
NCBI Protein Information	estrogen receptor
UniProt Protein Name	Estrogen receptor
UniProt Gene Name	Esr1
UniProt Synonym Gene Names	Esr; Estr; Estra; Nr3a1; ER

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.