

Human Estrogen Related Receptor Alpha (ERRa) ELISA Kit | ERRa elisa kit

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CATALOG #
AAA186449

REACTIVITY
Human

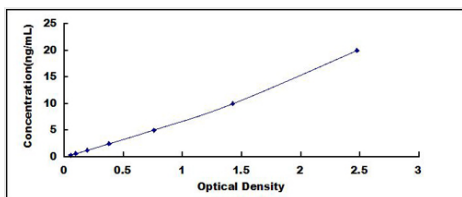
PRODUCT SYNONYMS

Estrogen Related Receptor Alpha (ERRa); Human Estrogen Related Receptor Alpha (ERRa) ELISA Kit; ERR1; ERRa; ERRalpha; ESRL1; NR3B1; Estrogen receptor-like 1; Nuclear receptor subfamily 3 group B member 1; ERRa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Estrogen Related Receptor Alpha (ERRa). No significant cross-reactivity or interference between Estrogen Related Receptor Alpha (ERRa) and analogues was observed.
Sequence Length	422
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates 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 Related Receptor Alpha (ERRa) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Estrogen Related Receptor Alpha (ERRa) 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 ERRa 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 Related Receptor Alpha (ERRa). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Estrogen Related Receptor Alpha (ERRa). 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 Related Receptor Alpha (ERRa), 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 Related Receptor Alpha (ERRa) 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 #	127798260
NCBI GeneID	2101
UniProt Accession #	P11474; Q14514
Molecular Weight	45,439 Da
NCBI Official Full Name	Estrogen-related receptor alpha
NCBI Official Synonym Full Names	estrogen related receptor alpha
NCBI Official Symbol	ESRRA
NCBI Official Synonym Symbols	ERR1; ERRa; ESRL1; NR3B1; ERRalpha
NCBI Protein Information	steroid hormone receptor ERR1
UniProt Protein Name	Steroid hormone receptor ERR1
UniProt Gene Name	ESRRA
UniProt Synonym Gene Names	ERR1; ESRL1; NR3B1; ERR-alpha

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-related-receptor-alpha-erra/186449>