

Human Androgen Receptor (AR) ELISA Kit | AR elisa kit

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CATALOG #
AAA20586

REACTIVITY
Human

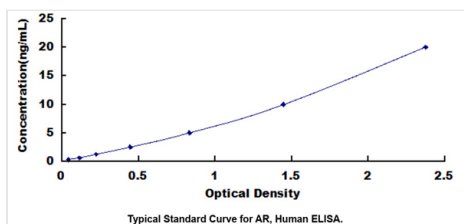
PRODUCT SYNONYMS

Androgen Receptor (AR); Human Androgen Receptor (AR) ELISA Kit; AIS; DHTR; HUMARA; KD; NR3C4; SBMA; SMAX1; TFM; Dihydrotestosterone receptor; Nuclear Receptor Subfamily 3; Group C; Member 4; Testicular Feminization; Kennedy Disease; AR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AR. No significant cross-reactivity or interference between AR and analogues was observed.
Sequence Length	388
Assay Type	Quantitative Sandwich
Samples	Human 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 AR 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 AR 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 AR elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to AR. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to AR. 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 AR, 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 AR 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 AR in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for AR elisa kit	Reproductive science
References	Prediction of recurrence of non-muscle invasive bladder cancer: The role of androgen receptor and miRNA-2909; Urol Oncol; 2022 May;40(5):197.e25-197.e35.; PMID: 35430138; Hazim Hadi Muzaail; Department of Chemistry, Faculty of Science, Mansoura University, Mansoura, Egypt.

NCBI AND UNIPROT INFORMATION

NCBI GI #	178882
NCBI GeneID	367
UniProt Accession #	P10275; Q9UD95; A2RUN2; B1AKD7
Molecular Weight	44,643 Da
NCBI Official Full Name	androgen receptor
NCBI Official Synonym Full Names	androgen receptor
NCBI Official Symbol	AR
NCBI Official Synonym Symbols	KD; AIS; AR8; TFM; DHTR; SBMA; HYSP1; NR3C4; SMAX1; HUMARA
NCBI Protein Information	androgen receptor
UniProt Protein Name	Androgen receptor
UniProt Gene Name	AR
UniProt Synonym Gene Names	DHTR; NR3C4
UniProt Entry Name	ANDR_HUMAN

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.