

Human Aromatase (ARO) ELISA Kit | ARO elisa kit

Anti-Aromatase Antibody (Anti-ARO) ELISA Kit

CATALOG # AAA189237	REACTIVITY Human	APPLICATIONS ELISA
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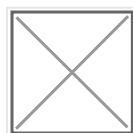
PRODUCT SYNONYMS

Aromatase (ARO); Anti-Aromatase Antibody (Anti-ARO) ELISA Kit; CYP19A1; CYPXIX; ARO; ARO1; CPV1; CYAR; CYP19; P450AROM; P450-AROM; Estrogen synthase; Cytochrome P450; Family 19; Subfamily A; Polypeptide 1; ARO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-ARO. No significant cross-reactivity or interference between Anti-ARO and analogues was observed.
Samples	Serum, plasma and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.59ng/mL
Applicable Applications for ARO elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-ARO 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 Anti-ARO 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 ARO elisa kit	Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-ARO in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with ARO. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-ARO 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 Anti-ARO 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 #	13904858
NCBI GeneID	1588
NCBI Accession #	NP_000094.2
NCBI GenBank Nucleotide #	NM_000103.3
UniProt Accession #	P11511; Q16731; Q3B764; Q58FA0
Molecular Weight	57,883 Da
NCBI Official Full Name	cytochrome P450 19A1
NCBI Official Synonym Full Names	cytochrome P450, family 19, subfamily A, polypeptide 1
NCBI Official Symbol	CYP19A1
NCBI Official Synonym Symbols	ARO; ARO1; CPV1; CYAR; CYP19; CYPXIX; P-450AROM
NCBI Protein Information	cytochrome P450 19A1; aromatase; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily XIX (aromatization of androgens)
UniProt Protein Name	Cytochrome P450 19A1
UniProt Gene Name	CYP19A1
UniProt Synonym Gene Names	ARO1; CYAR; CYP19
UniProt Entry Name	CP19A_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.

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