

Bovine Cytochrome P450, Family 19, Subfamily A, Polypeptide 1 ELISA Kit | CYP19A1 elisa kit

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CATALOG # AAA95325	REACTIVITY Bovine
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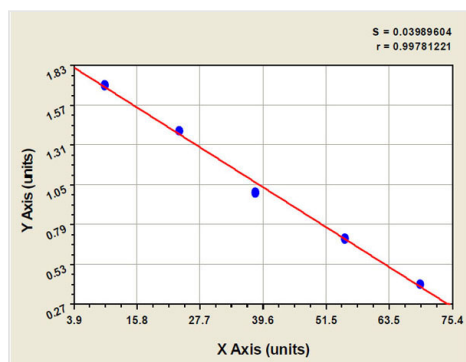
PRODUCT SYNONYMS

Cytochrome P450; Family 19; Subfamily A; Polypeptide 1; Bovine Cytochrome P450; Polypeptide 1 ELISA Kit; CYP19A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CYP19A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CYP19A1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYP19A1 elisa kit

Principle of the assay: CYP19A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CYP19A1 antibody and an CYP19A1-HRP conjugate. The assay sample and buffer are incubated together with CYP19A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CYP19A1 concentration since CYP19A1 from samples and CYP19A1-HRP conjugate compete for the anti-CYP19A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CYP19A1 from the sample, fewer sites are left to bind CYP19A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CYP19A1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13904860
NCBI GeneID	1588
NCBI Accession #	NP_112503.1
NCBI GenBank Nucleotide #	NM_031226.2
Molecular Weight	24,518 Da
NCBI Official Full Name	aromatase
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	aromatase; estrogen synthase; estrogen synthetase; cytochrome P-450AROM; cytochrome P450 19A1; microsomal monooxygenase; flavoprotein-linked monooxygenase; cytochrome P450, subfamily XIX (aromatization of androgens)
UniProt Protein Name	Aromatase
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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Online datasheet: <https://stage.aaabiotech.com/cyp19a1-bovine-ovine-elisa-kits/cytochrome-p450-family-19-subfamily-a-polypeptide-1/95325>