

Canine Androgen Receptor ELISA Kit | AR elisa kit

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CATALOG #
AAA91856

REACTIVITY
Canine

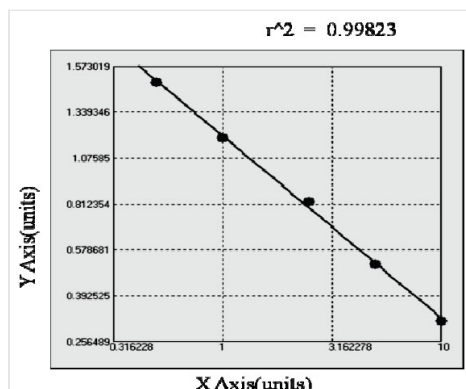
PRODUCT SYNONYMS

Androgen Receptor; Canine Androgen Receptor ELISA Kit; AR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AR elisa kit

Intended Uses: This AR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AR. This ELISA kit for research use only!

Principle of the Assay: AR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AR antibody and an AR-HRP conjugate. The assay sample and buffer are incubated together with AR-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 AR concentration since AR from samples and AR-HRP conjugate compete for the anti-AR antibody binding site. Since the number of sites is limited, as more sites are occupied by AR from the sample, fewer sites are left to bind AR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	178882
NCBI GeneID	367
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; TFM; DHTR; SBMA; HYSPI; NR3C4; SMAX1; HUMARA
NCBI Protein Information	androgen receptor; dihydrotestosterone receptor; androgen nuclear receptor variant 2; nuclear receptor subfamily 3 group C member 4
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.

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Online datasheet: <https://www.aaabiotech.com/ar-canine-elisa-kits/androgen-receptor/91856>