

Sheep Arginine-Vasopressin ELISA Kit | AVP elisa kit

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CATALOG #
AAA247567

REACTIVITY
Sheep

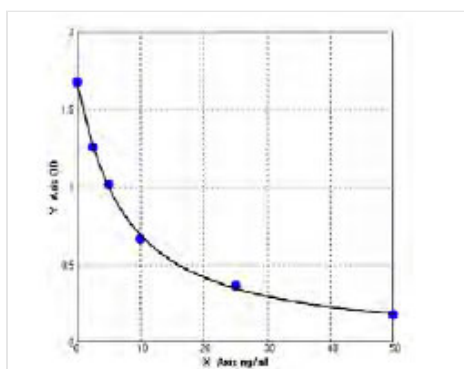
PRODUCT SYNONYMS

Arginine-Vasopressin; Sheep Arginine-Vasopressin ELISA Kit; AVP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of AVP. No significant cross-reactivity or interference between AVP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AVP and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	17
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AVP elisa kit	Intended Uses: This AVP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep AVP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AVP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-AVP antibody and an AVP-HRP conjugate. The assay sample and buffer are incubated together with AVP-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 AVP concentration since AVP from samples and AVP-HRP conjugate compete for the anti-AVP antibody binding site. Since the number of sites is limited, as more sites are occupied by AVP from the sample, fewer sites are left to bind AVP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AVP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10334810
NCBI GeneID	551
Molecular Weight	17,325 Da
NCBI Official Full Name	arginine vasopressin, partial
NCBI Official Synonym Full Names	arginine vasopressin
NCBI Official Symbol	AVP
NCBI Official Synonym Symbols	VP; ADH; ARVP; AVRPE; AVPE-NP11
NCBI Protein Information	vasopressin-neurophysin 2-copeptin
UniProt Protein Name	Vasopressin-neurophysin 2-copeptin
UniProt Gene Name	AVP
UniProt Synonym Gene Names	ARVP; VP

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sheep-elisa-kits/arginine-vasopressin/247567>