

Rat arginine vasopressin ELISA Kit | AVP elisa kit

Rat arginine vasopressin, AVP ELISA Kit

CATALOG #
AAA15151

REACTIVITY
Rat

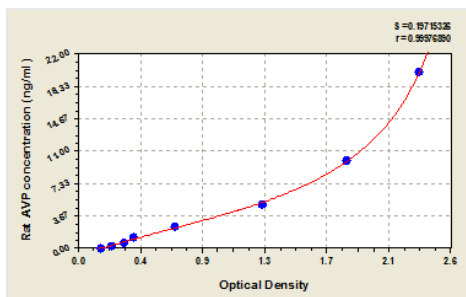
PRODUCT SYNONYMS

arginine vasopressin; Rat arginine vasopressin; AVP ELISA Kit; Rat arginine vasopressin (AVP) ELISA kit; ADH; ARVP; AVP-NP11; AVRP; VP; antidiuretic hormone; arginine vasopressin-neurophysin II; neurohypophyseal; vasopressin-neurophysin II-copeptin; AVP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat AVP. No significant cross-reactivity or interference between rat AVP and analogues was observed.
Sequence Length	168
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	< 0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AVP elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AVP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AVP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AVP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AVP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	291327518
NCBI GeneID	24221
NCBI Accession #	NP_058688.2
NCBI GenBank Nucleotide #	NM_016992.2
UniProt Accession #	P01186
Molecular Weight	17,923 Da
NCBI Official Full Name	vasopressin-neurophysin 2-copeptin preproprotein
NCBI Official Synonym Full Names	arginine vasopressin
NCBI Official Symbol	Avp
NCBI Official Synonym Symbols	DI; VP; Vas
NCBI Protein Information	vasopressin-neurophysin 2-copeptin; AVP-NPII; preproressophysin; preprovasopressin-neurophysin; vasopressin-neurophysin prepropeptide; arginine vasopressin (Diabetes insipidus), same as DI (conflicting physical mapping)
UniProt Protein Name	Vasopressin-neurophysin 2-copeptin
UniProt Gene Name	Avp
UniProt Entry Name	NEU2_RAT

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.