

Rat Vasopressin V1a receptor ELISA Kit | Avpr1a elisa kit

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CATALOG #
AAA98071

REACTIVITY
Rat

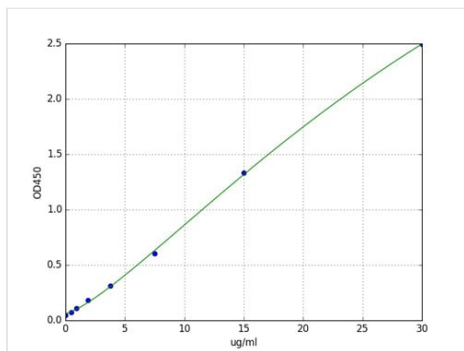
PRODUCT SYNONYMS

Vasopressin V1a receptor; Rat Vasopressin V1a receptor ELISA Kit; Avpr1a/AVPR V1a/V1aR/Antidiuretic hormone receptor 1a/arginine vasopressin receptor 1A/AVPR V1a/AVPR1/SCCL vasopressin subtype 1a receptor/V1a vasopressin receptor/V1aR/V1-vascular vasopressin receptor AVPR1A/Vascular; hepatic-type arginine vasopressin receptor; Avpr1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	418
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	46.875-3000pg/ml
Sensitivity	28.125pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Avpr1a ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	μg/ml	0	0.469	0.938	1.875	3.75	7.5	15	30
Y	OD450	0.028	0.066	0.098	0.164	0.302	0.723	1.314	2.172

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Avpr1a elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat Avpr1a antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Avpr1a antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Avpr1a amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Avpr1a can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502331
NCBI GeneID	552
NCBI Accession #	NP_000697.1
NCBI GenBank Nucleotide #	NM_000706.4
Molecular Weight	46,800 Da
NCBI Official Full Name	vasopressin V1a receptor
NCBI Official Synonym Full Names	arginine vasopressin receptor 1A
NCBI Official Symbol	AVPR1A
NCBI Official Synonym Symbols	V1aR; AVPR1; AVPR V1a
NCBI Protein Information	vasopressin V1a receptor
UniProt Protein Name	Vasopressin V1a receptor
UniProt Gene Name	AVPR1A
UniProt Synonym Gene Names	AVPR1; V1aR
UniProt Entry Name	V1AR_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/avpr1a-rat-elisa-kits/vasopressin-v1a-receptor/98071>