

Rat Vasopressin V1b receptor ELISA Kit | Avpr1b elisa kit

Rat Vasopressin V1b receptor ELISA Kit

CATALOG #
AAA101728

REACTIVITY
Rat

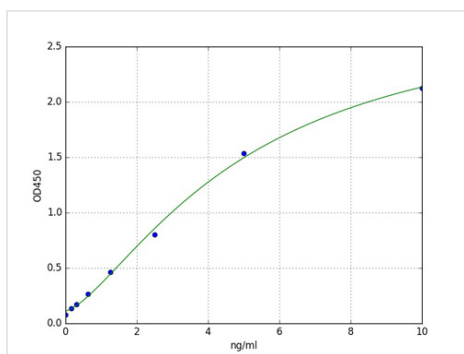
PRODUCT SYNONYMS

Vasopressin V1b receptor; Rat Vasopressin V1b receptor ELISA Kit; Avpr1b/AVPR3/V1bR/VPR3/Antidiuretic hormone receptor 1b/arginine vasopressin receptor 1B/AVPR V1b/AVPR V3/AVPR3arginine vasopressin receptor 3/pituitary vasopressin receptor 3/V1bR/Vasopressin V3 receptor/VPR3; Avpr1b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	424
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Avpr1b 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	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.002	0.065	0.113	0.238	0.433	0.746	1.305	2.619

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Avpr1b elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Avpr1b antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Avpr1b 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 Avpr1b amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Avpr1b can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502333
NCBI GeneID	553
NCBI Accession #	NP_000698.1
NCBI GenBank Nucleotide #	NM_000707.3
Molecular Weight	46,971 Da
NCBI Official Full Name	vasopressin V1b receptor
NCBI Official Synonym Full Names	arginine vasopressin receptor 1B
NCBI Official Symbol	AVPR1B
NCBI Official Synonym Symbols	AVPR3
NCBI Protein Information	vasopressin V1b receptor
UniProt Protein Name	Vasopressin V1b receptor
UniProt Gene Name	AVPR1B
UniProt Synonym Gene Names	AVPR3; VPR3; V1bR
UniProt Entry Name	V1BR_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/avpr1b-rat-elisa-kits/vasopressin-v1b-receptor/101728>