

Human Arginine Vasopressin Receptor 1B (AVPR1B) ELISA Kit | AVPR1B elisa kit

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CATALOG #
AAA68517

REACTIVITY
Human

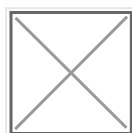
PRODUCT SYNONYMS

Arginine Vasopressin Receptor 1B (AVPR1B); Human Arginine Vasopressin Receptor 1B (AVPR1B) ELISA Kit; AVPR1-B; AVPR3; Vasopressin 3 Receptor; Antidiuretic Hormone Receptor 1b; AVPR1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AVPR1B. No significant cross-reactivity or interference between AVPR1B and analogues was observed.
Sequence Length	424
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	<0.252ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AVPR1B were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AVPR1B were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AVPR1B elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of AVPR1B in human tissue homogenates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AVPR1B. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AVPR1B. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AVPR1B, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of AVPR1B in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502333
NCBI GeneID	553
NCBI Accession #	NP_000698.1
NCBI GenBank Nucleotide #	NM_000707.4
UniProt Accession #	P47901; Q5TZ00; B0M0J6
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	V1bR; AVPR3
NCBI Protein Information	vasopressin V1b receptor
UniProt Protein Name	Vasopressin V1b receptor
UniProt Gene Name	AVPR1B
UniProt Synonym Gene Names	AVPR3; VPR3; V1bR

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://stage.aaabiotech.com/human-elisa-kits/arginine-vasopressin-receptor-1b-avpr1b/68517>