Rat Aquaporin-1 ELISA Kit | Aqp1 elisa kit

Rat Aquaporin-1 ELISA Kit

CATALOG #	REACTIVITY
AAA192076	**Rat**

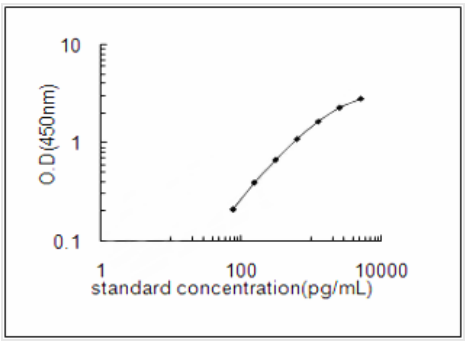
PRODUCT SYNONYMS

Aquaporin-1; Rat Aquaporin-1 ELISA Kit; AQP-1; Aquaporin-CHIP; Water channel protein for red blood cells and kidney proximal tubule; Aqp1; Chip28; Aqp1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	269
Assay Type	Sandwich
Detection Range	78-5000 pg/mL
Sensitivity	39 pg/mL
Intra-Assay CV	<=4.7%
Inter-Assay CV	<=7.5%
Recovery	93%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Aqp1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978527
NCBI GeneID	25240
NCBI Accession #	NP_036910.1
NCBI GenBank Nucleotide #	NM_012778.1
UniProt Accession #	P29975; Q5EB50; Q7TN36
Molecular Weight	28,857 Da
NCBI Official Full Name	aquaporin-1
NCBI Official Synonym Full Names	aquaporin 1
NCBI Official Symbol	Aqp1
NCBI Official Synonym Symbols	CHIP28
NCBI Protein Information	aquaporin-1
UniProt Protein Name	Aquaporin-1
UniProt Gene Name	**Aqp1**
UniProt Synonym Gene Names	Chip28; AQP-1
UniProt Entry Name	AQP1_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.

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Online datasheet: https://www.aaabiotech.com/aqp1-rat-elisa-kits/aquaporin-1/192076