

Human Aquaporin-1 ELISA Kit | AQP1 elisa kit

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CATALOG #
AAA191869

REACTIVITY
Human

PRODUCT SYNONYMS

Aquaporin-1; Human Aquaporin-1 ELISA Kit; AQP-1; Aquaporin-CHIP; Urine water channel; Water channel protein for red blood cells and kidney proximal tubule; AQP1; CHIP28; AQP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human AQP-1. No significant cross-reactivity or interference was observed.
Sequence Length	186
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.04 ng/mL
Intra-Assay CV	<=4.9%
Inter-Assay CV	<=7.8%
Recovery	98%
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 human aquaporin-1,AQP-1 concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AQP-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for AQP-1 and 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 AQP-1, 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 AQP-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	297307116
NCBI GeneID	358
NCBI Accession #	NP_001171989.1
NCBI GenBank Nucleotide #	NM_001185060.1
UniProt Accession #	P29972; Q8TBI5; Q8TDC1; B5BU39; E7EM69; E9PC21; F5GY19
Molecular Weight	16,677 Da
NCBI Official Full Name	aquaporin-1 isoform 2
NCBI Official Synonym Full Names	aquaporin 1 (Colton blood group)
NCBI Official Symbol	AQP1
NCBI Official Synonym Symbols	CO; CHIP28; AQP-CHIP
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_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.

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Online datasheet: <https://stage.aaabiotech.com/aqp1-human-elisa-kits/aquaporin-1/191869>