

Human Aquaporin 1, Colton Blood Group (AQP1) RTU ELISA Kit | AQP1 rtu elisa kit

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CATALOG #
AAA69181

REACTIVITY
Human

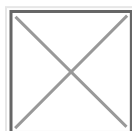
PRODUCT SYNONYMS

Aquaporin 1; Colton Blood Group (AQP1); Human Aquaporin 1; Colton Blood Group (AQP1) ELISA Kit; AQP-CHIP; CHIP28; CO; Channel-Forming Integral Protein; 28kDa; Aquaporin-CHIP; Urine water channel; Water channel protein for red blood cells and kidney proximal tubule; AQP1 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	269
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids.
Detection Range	0.25-16ng/mL
Sensitivity	0.09ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP1 rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AQP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AQP1. 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 AQP1, 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 $\pm$ 10nm. The concentration of AQP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve

NCBI AND UNIPROT INFORMATION

NCBI GI #	37694062
NCBI GeneID	358

NCBI Accession #	NP_932766.1
NCBI GenBank Nucleotide #	NM_198098.3
UniProt Accession #	P29972 ; Q8TBI5 ; Q8TDC1 ; B5BU39 ; E7EM69 ; E9PC21 ; F5GY19
Molecular Weight	16,677 Da
NCBI Official Full Name	aquaporin-1 isoform 1
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

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/human-rtu-elisa-kits/aquaporin-1-colton-blood-group-aqp1/69181>