

Human Aquaporin 9 (AQP9) ELISA Kit | AQP9 elisa kit

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CATALOG #
AAA183620

REACTIVITY
Human

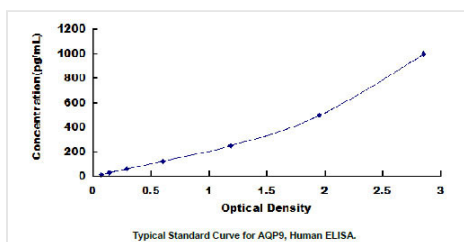
PRODUCT SYNONYMS

Aquaporin 9 (AQP9); Human Aquaporin 9 (AQP9) ELISA Kit; SSC1; Aquaglyceroporin-9; Small solute channel 1; AQP9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AQP9. No significant cross-reactivity or interference between AQP9 and analogues was observed.
Sequence Length	24
Samples	Human serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1,000pg/mL
Sensitivity	<6.4pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AQP9 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 AQP9 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP9 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AQP9 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to AQP9. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to AQP9. 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 AQP9, 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 AQP9 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6759671
NCBI GeneID	366
UniProt Accession #	O43315; Q9NP32
Molecular Weight	31,431 Da
NCBI Official Full Name	aquaporin 9, partial
NCBI Official Synonym Full Names	aquaporin 9
NCBI Official Symbol	AQP9
NCBI Official Synonym Symbols	SSC1; AQP-9; T17287; HsT17287
NCBI Protein Information	aquaporin-9
UniProt Protein Name	Aquaporin-9
UniProt Gene Name	AQP9
UniProt Synonym Gene Names	SSC1; AQP-9

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/aquaporin-9-aqp9/183620>