

Human Aquaporin 5 (AQP5) ELISA Kit | AQP5 elisa kit

Human Aquaporin 5 (AQP5) ELISA Kit

CATALOG #
AAA148393

REACTIVITY
Human

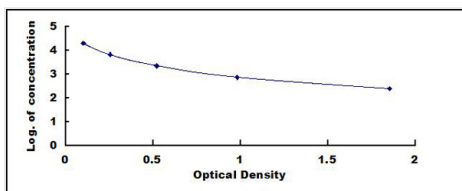
PRODUCT SYNONYMS

Aquaporin 5 (AQP5); Human Aquaporin 5 (AQP5) ELISA Kit; AQP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Aquaporin 5 (AQP5). No significant cross-reactivity or interference between Aquaporin 5 (AQP5) and analogues was observed.
Sequence Length	265
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Saliva, Tissue homogenates, Cell lysates and other biological fluids
Detection Range	246.9-20,000pg/mL
Sensitivity	91.4pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Aquaporin 5 (AQP5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Aquaporin 5 (AQP5) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 AQP5 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Aquaporin 5 (AQP5) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Aquaporin 5 (AQP5) and unlabeled Aquaporin 5 (AQP5) (Standards or samples) with the pre-coated antibody specific to Aquaporin 5 (AQP5). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Aquaporin 5 (AQP5) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Aquaporin 5 (AQP5) in the sample.
Product Categories/Family for AQP5 elisa kit	Metabolic pathway; Infection immunity; Pulmonology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502183
NCBI GeneID	362
NCBI Accession #	NP_001642.1
NCBI GenBank Nucleotide #	NM_001651.3
UniProt Accession #	P55064; Q6FGW8
Molecular Weight	28,292 Da
NCBI Official Full Name	aquaporin-5
NCBI Official Synonym Full Names	aquaporin 5
NCBI Official Symbol	AQP5
NCBI Official Synonym Symbols	PPKB; AQP-5
NCBI Protein Information	aquaporin-5
UniProt Protein Name	Aquaporin-5
UniProt Gene Name	AQP5
UniProt Synonym Gene Names	AQP-5

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-elisa-kits/aquaporin-5-aqp5/148393>