Human Aquaporin-12A ELISA Kit | AQP12A elisa kit

Human Aquaporin-12A ELISA Kit

CATALOG #	REACTIVITY
AAA100992	**Human**

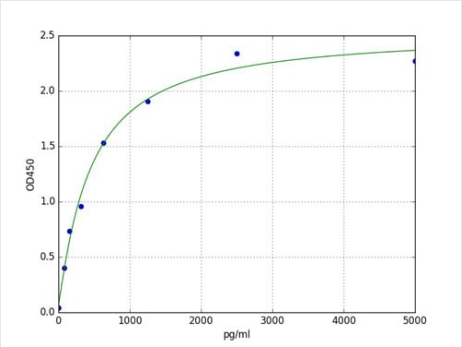
PRODUCT SYNONYMS

Aquaporin-12A; Human Aquaporin-12A ELISA Kit; AQP12A/AQP12/AQPX2/Aquaporin-12A/AQP-12; AQP12A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	295
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a AQP12A ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.006	0.050	0.087	0.184	0.514	1.025	1.910	2.477

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP12A elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-AQP12A antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-AQP12A antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the AQP12A amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of AQP12A can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40538880

NCBI GeneID	375318
NCBI Accession #	NP_945349.1
NCBI GenBank Nucleotide #	NM_198998.2
Molecular Weight	31,475 Da
NCBI Official Full Name	aquaporin-12A
NCBI Official Synonym Full Names	aquaporin 12A
NCBI Official Symbol	AQP12A
NCBI Official Synonym Symbols	AQP12; AQPX2; AQP-12
NCBI Protein Information	aquaporin-12A
UniProt Protein Name	Aquaporin-12A
UniProt Gene Name	**AQP12A**
UniProt Synonym Gene Names	AQP12; AQPX2; AQP-12
UniProt Entry Name	AQ12A_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://www.aaabiotech.com/aqp12a-human-elisa-kits/aquaporin-12a/100992