

Mouse Aquaporin 2 ELISA Kit | AQP-2 elisa kit

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CATALOG #
AAA102288

REACTIVITY
Mouse

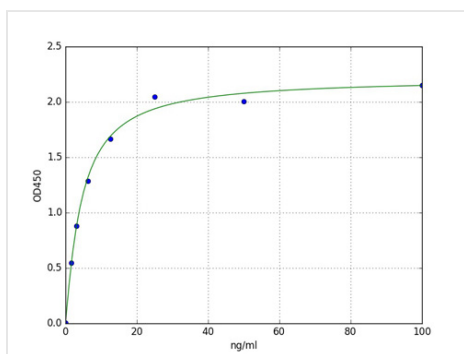
PRODUCT SYNONYMS

Aquaporin 2; Mouse Aquaporin 2 ELISA Kit; AQP-2/Aquaporin-2 (AQP-2)/Water channel protein for renal collecting duct/WCH-CD/Collecting duct water channel protein/ADH water channel/Aquaporin-CD (AQP-CD); AQP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	271
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/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 Mouse AQP-2 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	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.356	0.762	1.241	1.461	1.731	1.931	2.623

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP-2 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse AQP-2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse AQP-2 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 Mouse AQP-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse AQP-2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5052748
NCBI GeneID	359
Molecular Weight	28,837 Da
NCBI Official Full Name	aquaporin 2
NCBI Official Synonym Full Names	aquaporin 2
NCBI Official Symbol	AQP2
NCBI Official Synonym Symbols	AQP-CD; WCH-CD
NCBI Protein Information	aquaporin-2
UniProt Protein Name	Aquaporin-2
UniProt Gene Name	AQP2
UniProt Synonym Gene Names	AQP-2; AQP-CD
UniProt Entry Name	AQP2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/aqp-2-mouse-elisa-kits/aquaporin-2/102288>