

Human Aquaporin 3, Gill Blood Group (AQP3) ELISA Kit | AQP3 elisa kit

Human Aquaporin 3, Gill Blood Group (AQP3) ELISA Kit

CATALOG #
AAA66236

REACTIVITY
Human

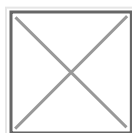
PRODUCT SYNONYMS

Aquaporin 3; Gill Blood Group (AQP3); Human Aquaporin 3; Gill Blood Group (AQP3) ELISA Kit; AQP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AQP3. No significant cross-reactivity or interference between AQP3 and analogues was observed.
Sequence Length	237
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AQP3 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 AQP3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AQP3 in human serum, plasma, tissue homogenates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AQP3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AQP3. 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 AQP3, 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 AQP3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	970259826
NCBI GeneID	360
NCBI Accession #	NP_001305073.1
NCBI GenBank Nucleotide #	NM_001318144.1
UniProt Accession #	Q92482; O00108; Q6FGT2; Q6FGW6; A8K843; B2RE16; D3DRL3
Molecular Weight	29,987 Da
NCBI Official Full Name	aquaporin-3 isoform 2
NCBI Official Synonym Full Names	aquaporin 3 (Gill blood group)
NCBI Official Symbol	AQP3
NCBI Official Synonym Symbols	GIL; AQP-3
NCBI Protein Information	aquaporin-3
UniProt Protein Name	Aquaporin-3
UniProt Gene Name	AQP3
UniProt Synonym Gene Names	AQP-3

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-3-gill-blood-group-aqp3/66236>