

Pig Aquaporin-3 ELISA Kit | AQP3 elisa kit

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CATALOG # AAA56389	REACTIVITY Pig
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PRODUCT SYNONYMS

Aquaporin-3; Pig Aquaporin-3 ELISA Kit; AQP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Pig
Specificity	This assay recognizes recombinant and natural Pig Aquaporin-3. No significant cross-reactivity or interference was observed.
Sequence Length	292
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Assay Type	Competitive
Detection Range	0.62-40.0 ng/ml.
Intended Uses	This immunoassay kit allows for the in vitro quantitative determination of pig Aquaporin-3 concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP3 elisa kit	Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Aquaporin-3. During the reaction, Aquaporin-3 in the sample or standard competes with a fixed amount of biotin-labeled Aquaporin-3 for sites on a pre-coated Monoclonal antibody specific to Aquaporin-3. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Aquaporin-3 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 #	158819036
NCBI GeneID	100126235
NCBI Accession #	NP_001103642.1

NCBI GenBank Nucleotide #	NM_001110172.1
UniProt Accession #	A9Y006 ; A8IF63
Molecular Weight	31,145 Da
NCBI Official Full Name	aquaporin-3
NCBI Official Symbol	AQP3
NCBI Official Synonym Symbols	SAQP3
NCBI Protein Information	aquaporin-3
UniProt Protein Name	Aquaporin-3
UniProt Gene Name	AQP3
UniProt Entry Name	AQP3_PIG

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/aqp3-pig-elisa-kits/aquaporin-3/56389>