

Guinea Pig Anti-aquaporin 4 antibody ELISA Kit | AQP-4 elisa kit

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CATALOG #
AAA94130

REACTIVITY
Guinea Pig

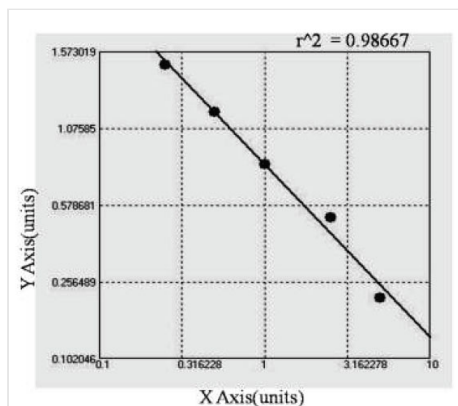
PRODUCT SYNONYMS

Anti-aquaporin 4 antibody; Guinea pig Anti-aquaporin 4 antibody ELISA Kit; AQP-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This anti-AQP-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig anti-AQP-4. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP-4 elisa kit	Principle of the Assay: anti-AQP-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing AQP-4 antigen and an anti-AQP-4-HRP conjugate. The assay sample and buffer are incubated together with anti-AQP-4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the anti-AQP-4 concentration since anti-AQP-4 from samples and anti-AQP-4-HRP conjugate compete for the AQP-4 antigen binding site. Since the number of sites is limited, as more sites are occupied by anti-AQP-4 from the sample, fewer sites are left to bind anti-AQP-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The anti-AQP-4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AQP-4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	160415211
NCBI GeneID	11829
NCBI Accession #	NP_033830.2
NCBI GenBank Nucleotide #	NM_009700.2
Molecular Weight	37,977 Da
NCBI Official Full Name	aquaporin-4
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	Aqp4
NCBI Official Synonym Symbols	WCH4
NCBI Protein Information	aquaporin-4; AQP-4; mercurial-insensitive water channel
UniProt Protein Name	Aquaporin-4
UniProt Gene Name	Aqp4
UniProt Synonym Gene Names	AQP-4; MIWC
UniProt Entry Name	AQP4_MOUSE

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/aqp-4-guinea-pig-pig-elisa-kits/anti-aquaporin-4-antibody/94130>