

Rabbit Aquaporin 4 ELISA Kit | AQP4 elisa kit

Rabbit Aquaporin 4 ELISA Kit

CATALOG #
AAA85857

REACTIVITY
Rabbit

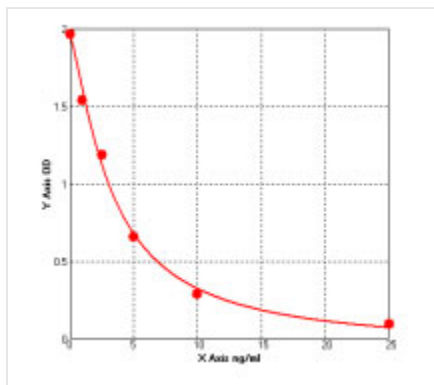
PRODUCT SYNONYMS

Aquaporin 4; Rabbit Aquaporin 4 ELISA Kit; AQP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of AQP-4. No significant cross-reactivity or interference between AQP-4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AQP-4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP4 elisa kit	Principle of the Assay: AQP-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AQP-4 antibody and an AQP-4-HRP conjugate. The assay sample and buffer are incubated together with 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 AQP-4 concentration since AQP-4 from samples and AQP-4-HRP conjugate compete for the anti-AQP-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by AQP-4 from the sample, fewer sites are left to bind AQP-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AQP-4 concentration in each sample is interpolated from this standard curve. Intended Uses: This AQP-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit AQP-4. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for AQP4 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4755125
NCBI GeneID	361
NCBI Accession #	NP_004019.1
NCBI GenBank Nucleotide #	NM_004028.3
Molecular Weight	32,300 Da
NCBI Official Full Name	aquaporin-4 isoform b
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	AQP4
NCBI Official Synonym Symbols	MIWC; HMIWC2
NCBI Protein Information	aquaporin-4; WCH4; aquaporin type4; aquaporin 4 isoform delta4; mercurial-insensitive water channel
UniProt Protein Name	Aquaporin-4
UniProt Gene Name	AQP4
UniProt Synonym Gene Names	AQP-4; MIWC
UniProt Entry Name	AQP4_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/aqp4-rabbit-elisa-kits/aquaporin-4/85857>