

Rat AQP4 (Aquaporin 4) ELISA Kit | AQP4 elisa kit

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CATALOG #
AAA278119

REACTIVITY
Rat

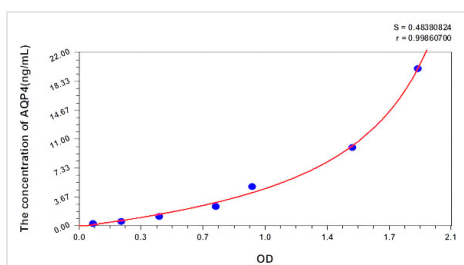
PRODUCT SYNONYMS

AQP4 (Aquaporin 4); Rat AQP4 (Aquaporin 4) ELISA Kit; HMIWC2; MIWC; WCH4; Mercurial-insensitive water channel; AQP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Samples	tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	1.57-100ng/mL
Sensitivity	0.44ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP4 elisa kit

Test Principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat AQP4. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat AQP4. 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 Rat AQP4, 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 Rat AQP4 in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for AQP4 elisa kit

Signal transduction; Metabolic pathway; Infection immunity; Neuro science

NCBI AND UNIPROT INFORMATION

NCBI GI #	395759219
NCBI GeneID	25293
NCBI Accession #	NP_001257487.1

NCBI GenBank Nucleotide #	NM_001270558.2
UniProt Accession #	P47863
Molecular Weight	28,768 Da
NCBI Official Full Name	aquaporin-4 isoform 3
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	Aqp4
NCBI Official Synonym Symbols	Miwc; WCH4; AQP-4
NCBI Protein Information	aquaporin-4
UniProt Protein Name	Aquaporin-4
UniProt Gene Name	Aqp4
UniProt Synonym Gene Names	AQP-4; MIWC

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://www.aaabiotech.com/rat-elisa-kits/aqp4-aquaporin-4/278119>