

Human Aquaporin 4 Antibody, AQP-4 Ab ELISA Kit | AQP4 elisa kit

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 CATALOG #
AAA15714

 REACTIVITY
Human

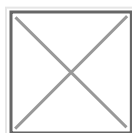
PRODUCT SYNONYMS

Aquaporin 4 Antibody; AQP-4 Ab; Human Aquaporin 4 Antibody; AQP-4 Ab ELISA Kit; AQP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human AQP-4 antibody. No significant cross-reactivity or interference between human AQP-4 antibody and analogues was observed.
Sequence Length	301
Samples	Serum, plasma
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	< 0.39 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP4 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with AQP-4. Standards and samples are pipetted into the wells with a biotin-conjugated AQP-4 and avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AQP-4 antibody bound in the initial step. The color development is stopped and the intensity of the color is measured.

References

[Aqueous Humor Biomarkers of Müller Cell Activation in Diabetic Eyes](#). Stela Vujosevic; Alessandra Micera; Silvia Bini; Marianna Berton; Graziana Esposito; Edoardo Midena (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4755125
NCBI GeneID	361
NCBI Accession #	NP_004019.1
NCBI GenBank Nucleotide #	NM_004028.3
UniProt Accession #	P55087; P78564
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/aquaporin-4-antibody-aqp-4-ab/15714>