

Human Aquaporin 0 (AQP-0) ELISA Kit | AQP-0 elisa kit

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CATALOG #
AAA331762

REACTIVITY
Human

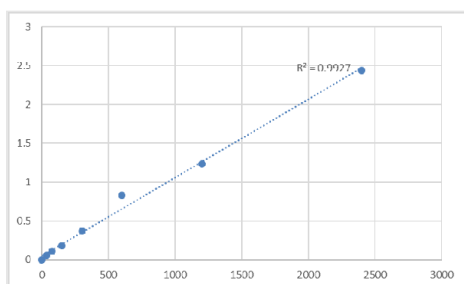
PRODUCT SYNONYMS

Aquaporin 0 (AQP-0); Human Aquaporin 0 (AQP-0) ELISA Kit; MIP; AQP0; LIM1; MIP26; MP26; aquaporin 0; AQP-0 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Aquaporin 0 (AQP-0) ELISA Kit has high sensitivity and excellent specificity for detection of Human MIP. No significant cross-reactivity or interference between Human MIP and analogues was observed.
Sequence Length	263
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Aquaporin 0 (AQP-0) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for AQP-0 elisa kit	Description: This Human Aquaporin 0 (AQP-0) ELISA Kit employs a two-site sandwich ELISA to quantitate MIP in samples. An antibody specific for MIP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MIP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MIP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MIP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Major intrinsic protein is a member of the water-transporting aquaporins as well as the original member of the MIP family of channel proteins. The function of the fiber cell membrane protein encoded by AQP-0this gene is undetermined, yet this protein is speculated to play a role in intracellular communication. The MIP protein is expressed in the ocular lens and is required for correct lens function. AQP-0 has been mapped among aquaporins AQP2, AQP5, and AQP6, in a potential gene cluster at 12q13.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	266537
NCBI GeneID	4284
UniProt Accession #	P30301
NCBI Official Full Name	Lens fiber major intrinsic protein
NCBI Official Synonym Full Names	major intrinsic protein of lens fiber
NCBI Official Symbol	MIP
NCBI Official Synonym Symbols	AQP0; LIM1; MP26; MIP26; CTRCT15
NCBI Protein Information	lens fiber major intrinsic protein
UniProt Protein Name	Lens fiber major intrinsic protein
UniProt Gene Name	MIP
UniProt Synonym Gene Names	AQP0; MP26
UniProt Entry Name	MIP_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/human-elisa-kits/aquaporin-0-aqp-0/331762>