

Human aquaporin 1 (Colton blood group) ELISA Kit | AQP1 elisa kit

Human Aquaporin 1, AQP-1 ELISA Kit

CATALOG #
AAA79545

REACTIVITY
Human

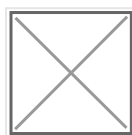
PRODUCT SYNONYMS

aquaporin 1 (Colton blood group); Human Aquaporin 1; AQP-1 ELISA Kit; AQP-CHIP; CHIP28; CO; MGC26324; Colton blood group; aquaporin 1; aquaporin 1 (channel-forming integral protein; 28kDa; CO blood group) ; channel-like integral membrane protein; 28-kDa; AQP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human AQP1. No significant cross-reactivity or interference between Human AQP1 and analogues was observed.
Sequence Length	186
Samples	Serum, plasma, cell culture supernates, Cell lysates
Assay Type	Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	3.9 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Transport
Protein Biological Process 3	Transport
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 AQP1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AQP-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AQP-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AQP-1 is added to the wells. After washing, avidin 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 AQP-1 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 #	297307116
NCBI GeneID	358
NCBI Accession #	NP_001171989.1
NCBI GenBank Nucleotide #	NM_001185060.1
UniProt Accession #	P29972; Q8TBI5; Q8TDC1; B5BU39; E7EM69; E9PC21; F5GY19
Molecular Weight	28,526 Da
NCBI Official Full Name	aquaporin-1 isoform 2
NCBI Official Synonym Full Names	aquaporin 1 (Colton blood group)
NCBI Official Symbol	AQP1
NCBI Official Synonym Symbols	CO; CHIP28; AQP-CHIP
NCBI Protein Information	aquaporin-1; aquaporin-CHIP; urine water channel; channel-like integral membrane protein, 28-kDa; water channel protein for red blood cells and kidney proximal tubule; aquaporin 1 (channel-forming integral protein, 28kDa, CO blood group)
UniProt Protein Name	Aquaporin-1
UniProt Gene Name	AQP1
UniProt Synonym Gene Names	CHIP28; AQP-1
UniProt Entry Name	AQP1_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/aqp1-human-elisa-kits/aquaporin-1-colton-blood-group/79545>