

Chicken Aquaporin 1 ELISA Kit | AQP-1 elisa kit

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CATALOG #
AAA93386

REACTIVITY
Chicken

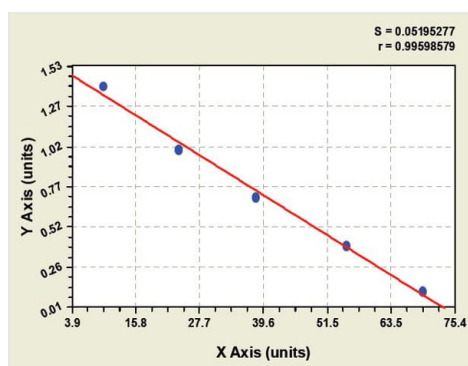
PRODUCT SYNONYMS

Aquaporin 1; Chicken Aquaporin 1 ELISA Kit; AQP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This ACS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey ACS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AQP-1 elisa kit

Principle of the Assay: ACS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACS antibody and an ACS-HRP conjugate. The assay sample and buffer are incubated together with ACS-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 ACS concentration since ACS from samples and ACS-HRP conjugate compete for the anti-ACS antibody binding site. Since the number of sites is limited, as more sites are occupied by ACS from the sample, fewer sites are left to bind ACS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACS concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AQP-1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978527
NCBI GeneID	25240
NCBI Accession #	NP_036910.1
NCBI GenBank Nucleotide #	NM_012778.1
Molecular Weight	28,857 Da
NCBI Official Full Name	aquaporin-1
NCBI Official Synonym Full Names	aquaporin 1
NCBI Official Symbol	Aqp1
NCBI Official Synonym Symbols	CHIP28
NCBI Protein Information	aquaporin-1; AQP-1; aquaporin-CHIP; Aquaporin 1 (aquaporin channel forming integral protein 28 (CHIP)); water channel protein for red blood cells and kidney proximal tubule
UniProt Protein Name	Aquaporin-1
UniProt Gene Name	Aqp1
UniProt Synonym Gene Names	Chip28; AQP-1
UniProt Entry Name	AQP1_RAT

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/aqp-1-chicken-elisa-kits/aquaporin-1/93386>