

Chicken Aquaporin 9 ELISA Kit | AQP-9 elisa kit

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CATALOG #
AAA93343

REACTIVITY
Chicken

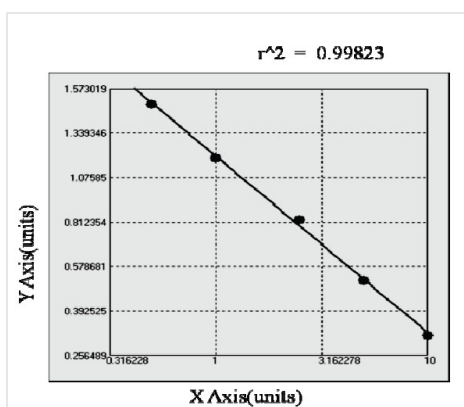
PRODUCT SYNONYMS

Aquaporin 9; Chicken Aquaporin 9 ELISA Kit; AQP-9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This AQP-9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken AQP-9. 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-9 elisa kit

Principle of the Assay: AQP-9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AQP-9 antibody and an AQP-9-HRP conjugate. The assay sample and buffer are incubated together with AQP-9-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 AQP-9 concentration since AQP-9 from samples and AQP-9-HRP conjugate compete for the anti-AQP-9 antibody binding site. Since the number of sites is limited, as more sites are occupied by AQP-9 from the sample, fewer sites are left to bind AQP-9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AQP-9 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266307
NCBI GeneID	366
NCBI Accession #	NP_066190.2
NCBI GenBank Nucleotide #	NM_020980.3
Molecular Weight	31,431 Da
NCBI Official Full Name	aquaporin-9
NCBI Official Synonym Full Names	aquaporin 9
NCBI Official Symbol	AQP9
NCBI Official Synonym Symbols	SSC1; AQP-9; HsT17287
NCBI Protein Information	aquaporin-9; aquaglyceroporin-9; small solute channel 1
UniProt Protein Name	Aquaporin-9
UniProt Gene Name	AQP9
UniProt Synonym Gene Names	SSC1; AQP-9
UniProt Entry Name	AQP9_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.