

Canine Aquaporin 9 ELISA Kit | AQP-9 elisa kit

Canine Aquaporin 9 ELISA Kit

CATALOG #
AAA90049

REACTIVITY
Canine

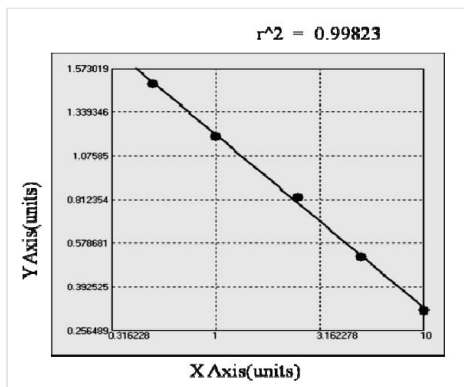
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
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	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This AQP9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AQP9. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY AQP9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AQP9 antibody and an AQP9-HRP conjugate. The assay sample and buffer are incubated together with AQP9-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 AQP9 concentration since AQP9 from samples and AQP9-HRP conjugate compete for the anti-AQP9 antibody binding site. Since the number of sites is limited, as more sites are occupied by AQP9 from the sample, fewer sites are left to bind AQP9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AQP9 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for AQP-9 elisa kit	Signal Transduction

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.

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Online datasheet: <https://stage.aaabiotech.com/aqp-9-canine-elisa-kits/aquaporin-9/90049>