

Rat Aquaporin 9 ELISA Kit | AQP-9 elisa kit

Rat Aquaporin 9 ELISA Kit

CATALOG #
AAA85555

REACTIVITY
Rat

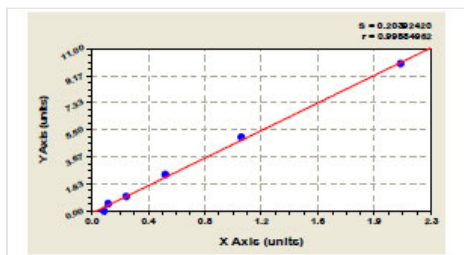
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10 ng/mL
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for AQP-9 elisa kit

Intended Uses: This AQP-9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AQP-9. This ELISA kit for research use only!

Principle of the Assay: AQP-9 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for AQP-9. Standards or samples are then added to the microtiter plate wells and AQP-9 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of AQP-9 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for AQP-9 are added to each well to "sandwich" the AQP-9 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain AQP-9 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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-rat-elisa-kits/aquaporin-9/85555>