

Rabbit Aquaporin 5 ELISA Kit | AQP-5 elisa kit

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CATALOG #
AAA83751

REACTIVITY
Rabbit

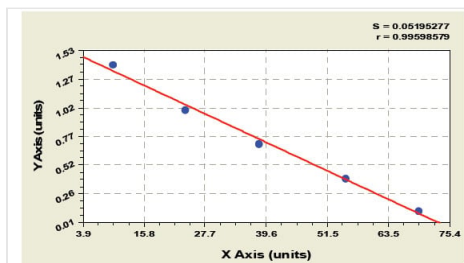
PRODUCT SYNONYMS

Aquaporin 5; Rabbit Aquaporin 5 ELISA Kit; AQP-5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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-5 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This AQP-5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit AQP-5. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY AQP-5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AQP-5 antibody and an AQP-5-HRP conjugate. The assay sample and buffer are incubated together with AQP-5-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-5 concentration since AQP-5 from samples and AQP-5-HRP conjugate compete for the anti-AQP-5 antibody binding site. Since the number of sites is limited, as more sites are occupied by AQP-5 from the sample, fewer sites are left to bind AQP-5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AQP-5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502183
NCBI GeneID	362
NCBI Accession #	NP_001642.1
NCBI GenBank Nucleotide #	NM_001651.3
Molecular Weight	28,292 Da
NCBI Official Full Name	aquaporin-5
NCBI Official Synonym Full Names	aquaporin 5
NCBI Official Symbol	AQP5
NCBI Official Synonym Symbols	PPKB; AQP-5
NCBI Protein Information	aquaporin-5
UniProt Protein Name	Aquaporin-5
UniProt Gene Name	AQP5
UniProt Synonym Gene Names	AQP-5
UniProt Entry Name	AQP5_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.