

Human ATP Binding Cassette Transporter C8 (ABCC8) ELISA Kit | ABCC8 elisa kit

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CATALOG #
AAA20050

REACTIVITY
Human

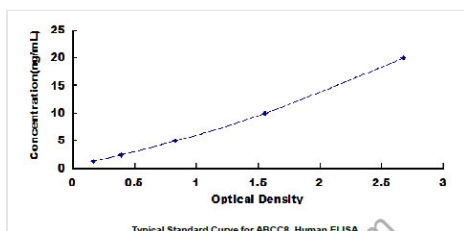
PRODUCT SYNONYMS

ATP Binding Cassette Transporter C8 (ABCC8); Human ATP Binding Cassette Transporter C8 (ABCC8) ELISA Kit; ABC-C8; PHHI; MRP8; ABC36; HHF1; HI; HRINS; SUR; SUR1; TNDM2; Sulfonylurea Receptor(Hyperinsulinemia); ABCC8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCA7. No significant cross-reactivity or interference between ABCA7 and analogues was observed.
Sequence Length	1581
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ABCA7 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ABCA7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCC8 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ABCA7 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ABCA7. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ABCA7. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ABCA7, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ABCA7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ABCC8 elisa kit	Signal Transduction
References	Cerebrospinal Fluid Sulfonylurea Receptor-1 is Associated with Intracranial Pressure and Outcome after Pediatric TBI: An Exploratory Analysis of the Cool Kids Trial; J Neurotrauma; 2021 Jun 15;38(12):1615-1619.; PMID: 33430695; Benjamin E Zusman; Department of Neurosurgery, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania, USA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118582255
NCBI GeneID	6833
NCBI Accession #	NP_000343.2
NCBI GenBank Nucleotide #	NM_000352.4
UniProt Accession #	Q09428; O75948; Q16583; A6NMX8; E3UYX6
Molecular Weight	5,468 Da
NCBI Official Full Name	ATP-binding cassette sub-family C member 8 isoform 2
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family C (CFTR/MRP), member 8
NCBI Official Symbol	ABCC8
NCBI Official Synonym Symbols	HI; SUR; HHF1; MRP8; PHHI; SUR1; ABC36; HRINS; TNDM2; SUR1delta2
NCBI Protein Information	ATP-binding cassette sub-family C member 8
UniProt Protein Name	ATP-binding cassette sub-family C member 8
UniProt Gene Name	ABCC8
UniProt Synonym Gene Names	HRINS; SUR; SUR1
UniProt Entry Name	ABCC8_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/atp-binding-cassette-transporter-c8-abcc8/20050>