

Human ATP-Binding Cassette Sub-Family C Member 8 (ABCC8) ELISA Kit | ABCC8 elisa kit

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CATALOG #
AAA331057

REACTIVITY
Human

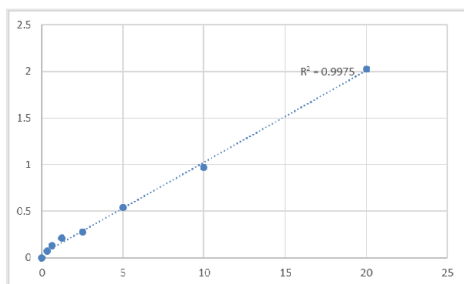
PRODUCT SYNONYMS

ATP-Binding Cassette Sub-Family C Member 8 (ABCC8); Human ATP-Binding Cassette Sub-Family C Member 8 (ABCC8) ELISA Kit; ABCC8; ABC36; HHF1; HI; HRINS; MRP8; PHH1; SUR; SUR1; TNDM2; ATP-binding cassette; sub-family C; member 8; sulfonylurea receptor (hyperinsulinemia); ABCC8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human ATP-binding cassette sub-family C member 8 (ABCC8) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCC8. No significant cross-reactivity or interference between Human ABCC8 and analogues was observed.
Sequence Length	1581
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human ATP-binding cassette sub-family C member 8 (ABCC8) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ABCC8 elisa kit	Description: This Human ATP-binding cassette sub-family C member 8 (ABCC8) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCC8 in samples. An antibody specific for ABCC8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCC8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ABCC8 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ABCC8 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ABCC8 is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily which is involved in multi-drug resistance. This protein functions as a modulator of ATP-sensitive potassium channels and insulin release. Mutations and deficiencies in this protein have been observed in patients with hyperinsulinemic hypoglycemia of infancy, an autosomal recessive disorder of unregulated and high insulin secretion. Mutations have also been associated with non-insulin-dependent diabetes mellitus type II, an autosomal dominant disease of defective insulin secretion.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118582255
NCBI GeneID	6833
NCBI Accession #	NP_000343.2
NCBI GenBank Nucleotide #	NP_000343.2
UniProt Accession #	Q09428
NCBI Official Full Name	ATP-binding cassette sub-family C member 8 isoform 2
NCBI Official Synonym Full Names	ATP binding cassette subfamily C 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

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/human-elisa-kits/atp-binding-cassette-sub-family-c-member-8-abcc8/331057>