

Rat ATP-binding cassette sub-family C member 8 (ABCC8) ELISA Kit | ABCC8 elisa kit

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CATALOG #
AAA27090

REACTIVITY
Rat

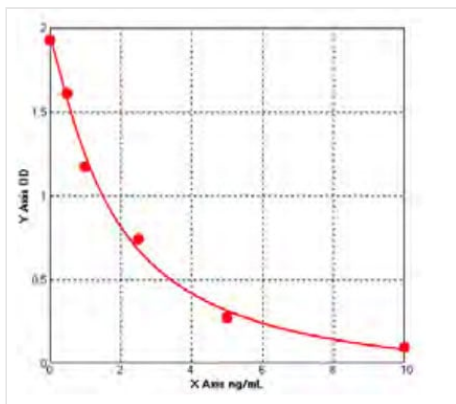
PRODUCT SYNONYMS

ATP-binding cassette sub-family C member 8 (ABCC8); Rat ATP-binding cassette sub-family C member 8 (ABCC8) ELISA Kit; ABCC8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ABCC8. No significant cross-reactivity or interference between ABCC8 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ABCC8 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCC8 elisa kit	Principle of the Assay: ABCC8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ABCC8 antibody and an ABCC8-HRP conjugate. The assay sample and buffer are incubated together with ABCC8-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 ABCC8 concentration since ABCC8 from samples and ABCC8-HRP conjugate compete for the anti-ABCC8 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCC8 from the sample, fewer sites are left to bind ABCC8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCC8 concentration in each sample is interpolated from this standard curve. Intended Uses: This ABCC8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of RatABCC8. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for ABCC8 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	148368981
NCBI GeneID	25559
NCBI Accession #	NP_037171.2
NCBI GenBank Nucleotide #	NM_013039.2
Molecular Weight	177,097 Da
NCBI Official Full Name	ATP-binding cassette sub-family C member 8
NCBI Official Synonym Full Names	ATP-binding cassette, subfamily C (CFTR/MRP), member 8
NCBI Official Symbol	Abcc8
NCBI Official Synonym Symbols	Sur; Sur1
NCBI Protein Information	ATP-binding cassette sub-family C member 8; sulfonyleurea receptor 1; sulphonylurea receptor 1; ATP-binding cassette transporter sub-family C member 8; ATP-binding cassette, sub-family C (CFTR/MRP), member 8
UniProt Protein Name	ATP-binding cassette sub-family C member 8
UniProt Gene Name	Abcc8
UniProt Synonym Gene Names	Sur; Sur1
UniProt Entry Name	ABCC8_RAT

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/rat-elisa-kits/atp-binding-cassette-sub-family-c-member-8-abcc8/27090>