

Rat Bile salt export pump (ABCB11) ELISA Kit | ABCB11 elisa kit

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CATALOG #
AAA245082

REACTIVITY
Rat

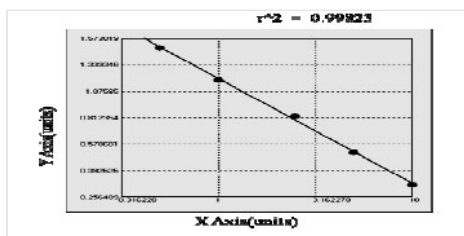
PRODUCT SYNONYMS

Bile salt export pump (ABCB11); Rat Bile salt export pump (ABCB11) ELISA Kit; ABCB11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCB11 elisa kit

Intended Uses: This ABCB11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ABCB11. This ELISA kit for research use only!

Principle of the Assay: ABCB11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ABCB11 antibody and an ABCB11-HRP conjugate. The assay sample and buffer are incubated together with ABCB11-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 ABCB11 concentration since ABCB11 from samples and ABCB11-HRP conjugate compete for the anti-ABCB11 antibody binding site. Since the number of sites is limited, as more sites are occupied by ABCB11 from the sample, fewer sites are left to bind ABCB11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ABCB11 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

21536378

NCBI GeneID	8647
NCBI Accession #	NP_003733.2
NCBI GenBank Nucleotide #	NM_003742.2
Molecular Weight	146,407 Da
NCBI Official Full Name	bile salt export pump
NCBI Official Synonym Full Names	ATP-binding cassette, sub-family B (MDR/TAP), member 11
NCBI Official Symbol	ABCB11
NCBI Official Synonym Symbols	BSEP; PGY4; SPGP; ABC16; BRIC2; PFIC2; PFIC-2
NCBI Protein Information	bile salt export pump; sister p-glycoprotein; ABC member 16, MDR/TAP subfamily; ATP-binding cassette sub-family B member 11; progressive familial intrahepatic cholestasis 2
UniProt Protein Name	Bile salt export pump
UniProt Gene Name	ABCB11
UniProt Synonym Gene Names	BSEP
UniProt Entry Name	ABCBB_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/rat-elisa-kits/bile-salt-export-pump-abcb11/245082>