

Human Bile Salt Export Pump (ABCB11) ELISA Kit | BSEP elisa kit

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CATALOG #
AAA331046

REACTIVITY
Human

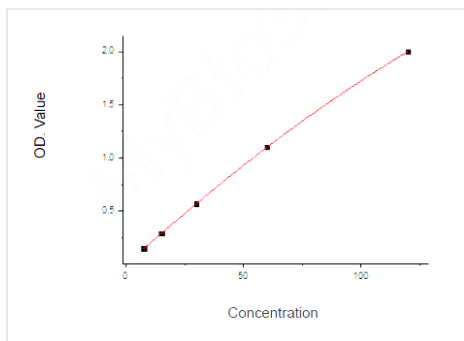
PRODUCT SYNONYMS

Bile Salt Export Pump (ABCB11); Human Bile Salt Export Pump (ABCB11) ELISA Kit; ABCB11; ABC16; BRIC2; PFIC-2; PFIC2; PGY4; SPGP; ABC member 16; MDR/TAP subfamily; bile salt export pump; progressive familial intrahepatic cholestasis 2; sister p-glycoprotein; BSEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Bile salt export pump (ABCB11) ELISA Kit has high sensitivity and excellent specificity for detection of Human ABCB11. No significant cross-reactivity or interference between Human ABCB11 and analogues was observed.
Sequence Length	1321
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	7.5 pg/mL - 120 pg/mL
Sensitivity	< 0.5pg/mL
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BSEP elisa kit	Background: BSEP/ABCB11 was discovered by low stringency screening of pig liver by Childs et al. (1995), who isolated a partial cDNA on the basis of its homology with MDR1 (ABCB1) and named it sister of P-glycoprotein (spgp). While its function was not known, it did confer low-level resistance to taxol and its chromosomal localization was recognized as being in the vicinity of "liver transport disorders for bile acids and cholesterol" (Childs et al. 1998). Principle of the Assay: Human Bile Salt Export Pump (ABCB11) ELISA Kit employs a two-site sandwich ELISA to quantitate ABCB11 in samples. An antibody specific for ABCB11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ABCB11 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human ABCB11 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of ABCB11 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	262527527
NCBI GeneID	8647
UniProt Accession #	O95342
NCBI Official Full Name	Bile salt export pump
NCBI Official Synonym Full Names	ATP binding cassette subfamily B 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
UniProt Protein Name	Bile salt export pump
UniProt Gene Name	ABCB11
UniProt Synonym Gene Names	BSEP
UniProt Entry Name	ABCB11_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.