

Human BSEP (Bile salt export pump) ELISA Kit | BSEP elisa kit

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CATALOG #
AAA277816

REACTIVITY
Human

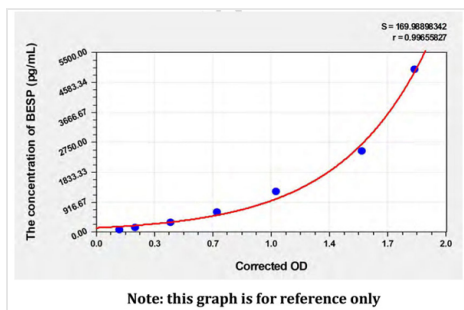
PRODUCT SYNONYMS

BSEP (Bile salt export pump); Human BSEP (Bile salt export pump) ELISA Kit; ABC16; ABCB11; ATP-binding cassette sub-family B member 11; Bile salt export pump; BRIC2; BSEP; PFIC2; PGY4; SPGP; BSEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human BSEP. No significant cross-reactivity or interference between Human BSEP and analogues was observed.
Assay Type	Sandwich
Detection Range	78.13-5000 pg/mL
Sensitivity	36.1 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BSEP elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human BSEP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human BSEP. 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 Human BSEP, 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 Human BSEP in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	262527527
NCBI GeneID	8647
UniProt Accession #	O95342; Q53TL2; Q9UNB2
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	ABCB_B_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/human-elisa-kits/bsep-bile-salt-export-pump/277816>