

Human Lipase, Bile Salt Dependent (BSDL) ELISA Kit | BSDL elisa kit

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CATALOG #
AAA189702

REACTIVITY
Human

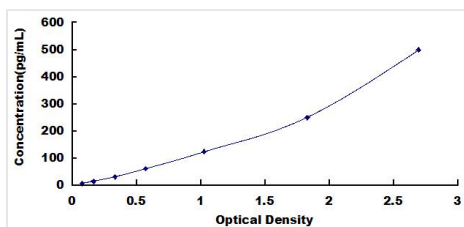
PRODUCT SYNONYMS

Lipase; Bile Salt Dependent (BSDL); Human Lipase; Bile Salt Dependent (BSDL) ELISA Kit; CEL; FAP; BAL; BSSL; FAPP; LIPA; MODY8; Carboxyl Ester Lipase; Bile salt-stimulated lipase; Bucelipase; Cholesterol esterase; Pancreatic lysophospholipase; Sterol esterase; BSDL/Lipase; Bile Salt Dependent; BSDL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BSDL. No significant cross-reactivity or interference between BSDL and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, breast milk and other biological fluids
Detection Range	7.8-500pg/mL
Sensitivity	< 2.9pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BSDL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BSDL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BSDL elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BSDL. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to BSDL. 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 BSDL, 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 BSDL in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BSDL in human serum, plasma, breast milk and other biological fluids.
Product Categories/Family for BSDL elisa kit	Enzyme & Kinase; Metabolic pathway; Infection immunity; Hepatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	148536848
NCBI GeneID	1056
NCBI Accession #	NP_001798.2
NCBI GenBank Nucleotide #	NM_001807.4
UniProt Accession #	P19835; Q16398; Q5T7U7; Q9UCH1; Q9UP41
Molecular Weight	79,322 Da
NCBI Official Full Name	bile salt-activated lipase
NCBI Official Synonym Full Names	carboxyl ester lipase
NCBI Official Symbol	CEL
NCBI Official Synonym Symbols	BAL; FAP; BSDL; BSSL; CELL; FAPP; LIPA; CEase; MODY8
NCBI Protein Information	bile salt-activated lipase; bucelipase; sterol esterase; cholesterol esterase; carboxyl ester hydrolase; fetoacinar pancreatic protein; lysophospholipase, pancreatic; bile salt-dependent lipase, oncofetal isoform; carboxyl ester lipase (bile salt-stimulat
UniProt Protein Name	Bile salt-activated lipase
UniProt Gene Name	CEL
UniProt Synonym Gene Names	BAL; BAL; BSSL
UniProt Entry Name	CEL_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/lipase-bile-salt-dependent-bsdl/189702>