

Mouse Sphingosine 1 Phosphate Lyase 1 (SGPL1) ELISA Kit | SGPL1 elisa kit

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CATALOG #
AAA186645

REACTIVITY
Mouse

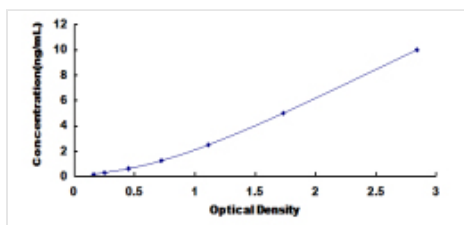
PRODUCT SYNONYMS

Sphingosine 1 Phosphate Lyase 1 (SGPL1); Mouse Sphingosine 1 Phosphate Lyase 1 (SGPL1) ELISA Kit; SPL; S1PL; Sphingosine-1-phosphate aldolase; SGPL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Sphingosine 1 Phosphate Lyase 1 (SGPL1). No significant cross-reactivity or interference between Sphingosine 1 Phosphate Lyase 1 (SGPL1) and analogues was observed.
Sequence Length	568
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Sphingosine 1 Phosphate Lyase 1 (SGPL1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Sphingosine 1 Phosphate Lyase 1 (SGPL1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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 SGPL1 elisa kit	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 Sphingosine 1 Phosphate Lyase 1 (SGPL1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Sphingosine 1 Phosphate Lyase 1 (SGPL1). 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 Sphingosine 1 Phosphate Lyase 1 (SGPL1), 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 Sphingosine 1 Phosphate Lyase 1 (SGPL1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31982936
NCBI GeneID	8879
NCBI Accession #	NP_003892.2
NCBI GenBank Nucleotide #	NM_003901.3
UniProt Accession #	O95470; Q7Z732; Q9ULG8; Q9UN89; B2RBD4
Molecular Weight	63,524 Da
NCBI Official Full Name	sphingosine-1-phosphate lyase 1
NCBI Official Synonym Full Names	sphingosine-1-phosphate lyase 1
NCBI Official Symbol	SGPL1
NCBI Official Synonym Symbols	SPL; S1PL; NPHS14
NCBI Protein Information	sphingosine-1-phosphate lyase 1
UniProt Protein Name	Sphingosine-1-phosphate lyase 1
UniProt Gene Name	SGPL1
UniProt Synonym Gene Names	S1PLCurated; SP-lyase 1Curated; SPL 1Curated; hSPL

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/mouse-elisa-kits/sphingosine-1-phosphate-lyase-1-sgpl1/186645>