

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

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CATALOG #
AAA218403

REACTIVITY
Mouse

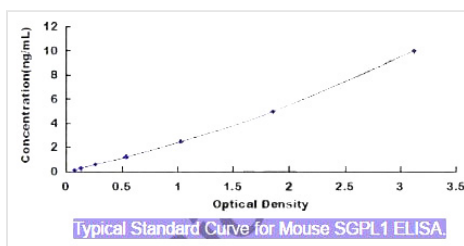
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of SGPL1. No significant cross-reactivity or interference between SGPL1 and analogues was observed.
Sequence Length	568
Samples	Mouse tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SGPL1 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 SGPL1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SGPL1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SGPL1 in mouse tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SGPL1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 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 #	940373606
NCBI GeneID	20397
NCBI Accession #	NP_001303602.1
NCBI GenBank Nucleotide #	NM_001316673.1
UniProt Accession #	Q8R0X7; O54955; Q8C942
Molecular Weight	63,677 Da
NCBI Official Full Name	sphingosine-1-phosphate lyase 1
NCBI Official Synonym Full Names	sphingosine phosphate lyase 1
NCBI Official Symbol	Sgpl1
NCBI Official Synonym Symbols	Spl; S1PL; AI428538; D10Xrf456
NCBI Protein Information	sphingosine-1-phosphate lyase 1
UniProt Protein Name	Sphingosine-1-phosphate lyase 1
UniProt Gene Name	Sgpl1
UniProt Synonym Gene Names	S1PL; SP-lyase 1; SPL 1; mSPL

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-rtu-elisa-kits/sphingosine-1-phosphate-lyase-1-sgpl1/218403>