

Human Sphingosine-1-Phosphate Phosphatase 1 (SGPP1) ELISA Kit | SGPP1 elisa kit

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CATALOG #
AAA137965

REACTIVITY
Human

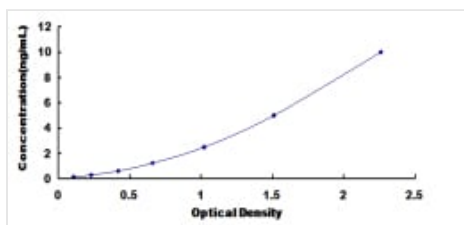
PRODUCT SYNONYMS

Sphingosine-1-Phosphate Phosphatase 1 (SGPP1); Human Sphingosine-1-Phosphate Phosphatase 1 (SGPP1) ELISA Kit; SPPase1; SGPP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Sphingosine-1-Phosphate Phosphatase 1 (SGPP1). No significant cross-reactivity or interference between Sphingosine-1-Phosphate Phosphatase 1 (SGPP1) and analogues was observed.
Sequence Length	441
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.063ng/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 Phosphatase 1 (SGPP1) 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 Phosphatase 1 (SGPP1) 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 SGPP1 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 Phosphatase 1 (SGPP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Sphingosine-1-Phosphate Phosphatase 1 (SGPP1). 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 Phosphatase 1 (SGPP1), 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 Phosphatase 1 (SGPP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for SGPP1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	13540569
NCBI GeneID	81537
NCBI Accession #	NP_110418.1
NCBI GenBank Nucleotide #	NM_030791.3
UniProt Accession #	Q9BX95; Q9H189; B2RAH0
Molecular Weight	49,108 Da
NCBI Official Full Name	sphingosine-1-phosphate phosphatase 1
NCBI Official Synonym Full Names	sphingosine-1-phosphate phosphatase 1
NCBI Official Symbol	SGPP1
NCBI Official Synonym Symbols	SPPase1
NCBI Protein Information	sphingosine-1-phosphate phosphatase 1
UniProt Protein Name	Sphingosine-1-phosphate phosphatase 1
UniProt Gene Name	SGPP1
UniProt Synonym Gene Names	SPPase1; Spp1; hSPP1; hSPPase1
UniProt Entry Name	SGPP1_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/sphingosine-1-phosphate-phosphatase-1-sgpp1/137965>