

Human SGPP1 ELISA Kit | SGPP1 elisa kit

Human SGPP1 (Sphingosine-1-Phosphate Phosphatase 1) ELISA Kit

CATALOG #
AAA21929

REACTIVITY
Human

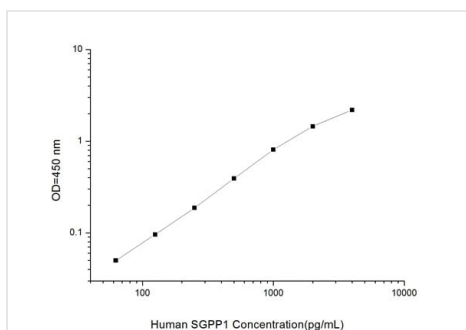
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human SGPP1 in samples. No significant cross-reactivity or interference between Human SGPP1 and analogues was observed.
Sequence Length	441
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	62.5-4000pg/mL
Sensitivity	37.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human SGPP1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human SGPP1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SGPP1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human SGPP1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human SGPP1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human SGPP1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human SGPP1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human SGPP1. You can calculate the concentration of Human SGPP1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13540569
NCBI GeneID	81537
NCBI Accession #	NP_110418.1
NCBI GenBank Nucleotide #	NM_030791.2
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; hSPP1; hSPPase1; sphingosine-1-phosphatase 1; spp1
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.