

Human SGPP2 (Sphingosine-1-phosphate phosphatase 2) ELISA Kit | SGPP2 elisa kit

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CATALOG #
AAA251011

REACTIVITY
Human

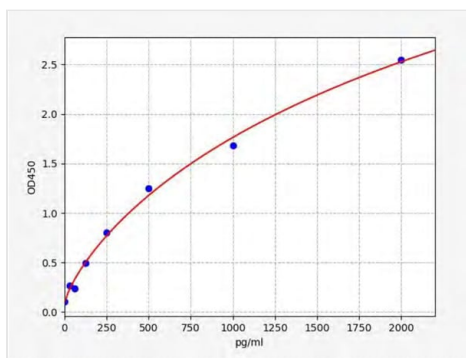
PRODUCT SYNONYMS

SGPP2 (Sphingosine-1-phosphate phosphatase 2); Human SGPP2 (Sphingosine-1-phosphate phosphatase 2) ELISA Kit; SGPP2; Sphingosine-1-phosphate phosphatase 2; SPPase2; Spp2; hSPP2; Sphingosine-1-phosphatase 2; SGPP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize SGPP2, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SGPP2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti SGPP2 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti SGPP2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with SGPP2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of SGPP2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23510289
NCBI GeneID	130367
NCBI Accession #	NP_689599.2
NCBI GenBank Nucleotide #	NM_152386.2
UniProt Accession #	Q8IWX5; Q8N8Q6; A3KPB4
Molecular Weight	44,741 Da
NCBI Official Full Name	sphingosine-1-phosphate phosphatase 2
NCBI Official Synonym Full Names	sphingosine-1-phosphate phosphatase 2
NCBI Official Symbol	SGPP2
NCBI Official Synonym Symbols	SPP2
NCBI Protein Information	sphingosine-1-phosphate phosphatase 2; hSPP2; SPPase2; sphingosine-1-phosphatase 2; sphingosine-1-phosphate phosphotase 2; sphingosine 1-phosphate phosphohydrolase 2
UniProt Protein Name	Sphingosine-1-phosphate phosphatase 2
UniProt Gene Name	SGPP2
UniProt Synonym Gene Names	SPPase2; Spp2; hSPP2
UniProt Entry Name	SGPP2_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/sgpp2-sphingosine-1-phosphate-phosphatase-2/251011>