

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

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CATALOG #  
AAA274872

REACTIVITY  
Rat

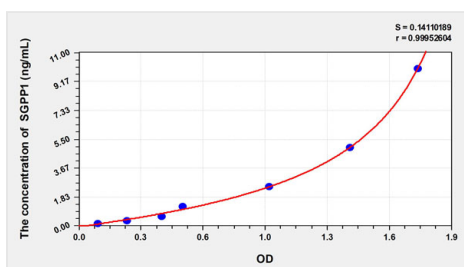
## PRODUCT SYNONYMS

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

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat SGPP1. No significant cross-reactivity or interference between Rat SGPP1 and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                            |
| Detection Range         | 0.16-10 ng/mL                                                                                                                                                                       |
| Sensitivity             | 0.057 ng/mL                                                                                                                                                                         |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.              |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.               |
| Preparation and Storage | Store at 2-8 degree C. Stable for 6 months from date of receipt.                                                                                                                    |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for SGPP1 elisa kit

Principle of the Assay: 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 added to the appropriate microtiter plate wells then 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 OD of the samples to the standard curve.

**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/rat-elisa-kits/sgpp1-sphingosine-1-phosphate-phosphatase-1/274872>