

Human Sphingosine 1 Phosphate (Sphingosine 1 Phosphate) ELISA Kit | AT3G58490 elisa kit

Human Sphingosine 1 Phosphate (Sphingosine 1 Phosphate)

CATALOG # AAA17752	REACTIVITY Human
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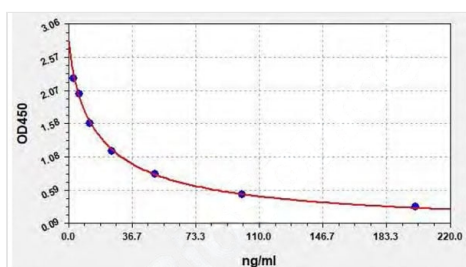
PRODUCT SYNONYMS

Sphingosine 1 Phosphate (Sphingosine 1 Phosphate); Human Sphingosine 1 Phosphate (Sphingosine 1 Phosphate); AT3G58490 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of S1P. No significant cross-reactivity or interference between S1P and analogues was observed.
Sequence Length	416
Assay Type	Competitive
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
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 AT3G58490 elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with target. During the reaction, target in the sample or standard competes with a fixed amount of target on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to target. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of target in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15231046
NCBI GeneID	825018
NCBI Accession #	NP_191408.1
NCBI GenBank Nucleotide #	NM_115711.3
Molecular Weight	46,169 Da
NCBI Official Full Name	sphingoid phosphate phosphatase 1
NCBI Official Symbol	AT3G58490
NCBI Protein Information	sphingoid phosphate phosphatase 1
UniProt Protein Name	Lipid phosphate phosphatase delta
UniProt Gene Name	LPPD
UniProt Synonym Gene Names	SPP1; AtLPPD; AtSSP1; AtSPPASE
UniProt Entry Name	LPPD_ARATH

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-sphingosine-1-phosphate/17752>