

Human sphingosine 1-phosphate ELISA Kit | S1P elisa kit

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CATALOG #
AAA27402

REACTIVITY
Human

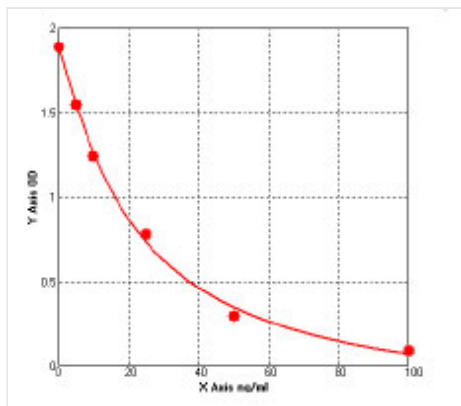
PRODUCT SYNONYMS

sphingosine 1-phosphate; Human sphingosine 1-phosphate ELISA Kit; S1P elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SGP1. No significant cross-reactivity or interference between SGP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SGP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	398
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S1P elisa kit	Principle of the Assay: SGP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SGP1 antibody and an SGP1-HRP conjugate. The assay sample and buffer are incubated together with SGP1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SGP1 concentration since SGP1 from samples and SGP1-HRP conjugate compete for the anti-SGP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SGP1 from the sample, fewer sites are left to bind SGP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SGP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This SGP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SGP1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13540517
NCBI GeneID	53637
NCBI Accession #	NP_110387.1
NCBI GenBank Nucleotide #	NM_030760.4
UniProt Accession #	Q9H228; Q6NW11
Molecular Weight	32,279 Da
NCBI Official Full Name	sphingosine 1-phosphate receptor 5
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 5
NCBI Official Symbol	S1PR5
NCBI Official Synonym Symbols	EDG8; S1P5; Edg-8; SPPR-1; SPPR-2
NCBI Protein Information	sphingosine 1-phosphate receptor 5
UniProt Protein Name	Sphingosine 1-phosphate receptor 5
UniProt Gene Name	S1PR5
UniProt Synonym Gene Names	EDG8; S1P receptor 5; S1P5; S1P receptor Edg-8

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.