

Human Sphingosine 1-Phosphate Receptor Type 1 (S1P1) ELISA Kit | S1P1 elisa kit

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CATALOG #
AAA330958

REACTIVITY
Human

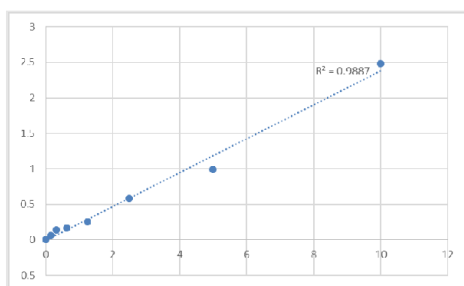
PRODUCT SYNONYMS

Sphingosine 1-Phosphate Receptor Type 1 (S1P1); Human Sphingosine 1-Phosphate Receptor Type 1 (S1P1) ELISA Kit; S1PR1; CHEDG1; D1S3362; ECGF1; EDG-1; EDG1; FLJ58121; S1P1; endothelial differentiation; sphingolipid G-protein-coupled receptor; 1; sphingosine 1-phosphate receptor EDG1; S1P1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Sphingosine 1-phosphate receptor type 1 (S1P1) ELISA Kit has high sensitivity and excellent specificity for detection of Human S1PR1. No significant cross-reactivity or interference between Human S1PR1 and analogues was observed.
Sequence Length	382
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Sphingosine 1-phosphate receptor type 1 (S1P1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for S1P1 elisa kit	Description: This Human Sphingosine 1-phosphate receptor type 1 (S1P1) ELISA Kit employs a two-site sandwich ELISA to quantitate S1PR1 in samples. An antibody specific for S1PR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S1PR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S1PR1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of S1PR1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: S1PR1 (sphingosine-1-phosphate receptor 1) also known as S1P1 and EDG1 (endothelial differentiation gene 1) is a protein encoded by the S1PR1 gene. S1PR1 encodes a G-protein-coupled receptor which binds the lipid signaling molecule sphingosine 1-phosphate (S1P). The protein is structurally similar to G protein-coupled receptors and is highly expressed in endothelial cells. It binds the ligand sphingosine-1-phosphate with high affinity and high specificity, and suggested to be involved in the processes that regulate the differentiation of endothelial cells. Activation of this receptor induces cell-cell adhesion. Endothelial cells, and to a lesser extent, in vascular smooth muscle cells, fibroblasts, melanocytes, and cells of epithelioid origin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13027636
NCBI GeneID	1901
NCBI Accession #	NP_001391.2
NCBI GenBank Nucleotide #	NP_001391.2
UniProt Accession #	P21453
NCBI Official Full Name	sphingosine 1-phosphate receptor 1
NCBI Official Synonym Full Names	sphingosine-1-phosphate receptor 1
NCBI Official Symbol	S1PR1
NCBI Official Synonym Symbols	EDG1; S1P1; CD363; ECGF1; EDG-1; CHEDG1; D1S3362
NCBI Protein Information	sphingosine 1-phosphate receptor 1
UniProt Protein Name	Sphingosine 1-phosphate receptor 1
UniProt Gene Name	S1PR1
UniProt Synonym Gene Names	CHEDG1; EDG1; S1P receptor 1; S1P1
UniProt Entry Name	S1PR1_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.