

# Mouse Sphingosine 1-phosphate receptor 4 (S1PR4) ELISA Kit



Catalog No: #EK7462

Orders: order@signalwayantibody.com

Package Size: #EK7462-1 48T #EK7462-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse Sphingosine 1-phosphate receptor 4 (S1PR4) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	EDG6; LPC1; S1P4; SLP4; Sphingosine 1-phosphate receptor 4 Sphingosine 1-phosphate receptor Edg-6 endothelial differentiation; G protein coupled receptor 6 endothelial differentiation; G-protein-cou
Accession No.	Q9Z0L1
Uniprot	Q9Z0L1
GeneID	13611;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:78.12-5000 pg/mL

Sensitivity:30 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich Test principle: This assay employs a two-site sandwich ELISA to quantitate S1PR4 in samples. An antibody specific for S1PR4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any S1PR4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S1PR4 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 S1PR4 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**S1PR4 is a G protein-coupled receptor which binds the lipid signaling molecule sphingosine 1-phosphate (S1P). Hence this receptor is also known as S1P4. This gene is a member of the endothelial differentiation, G-protein-coupled (EDG) receptor gene family. EDG receptors bind lysophospholipids or lysosphingolipids as ligands, and are involved in cell signalling in many different cell types. This EDG receptor gene is intronless and is specifically expressed in the lymphoid tissue. Specifically expressed in fetal and adult lymphoid and hematopoietic tissue as well as in lung. Considerable level of expression in adult and fetal spleen as well as adult peripheral leukocytes and lung. Lower expression in adult thymus, lymph node, bone marrow, and appendix as well as in fetal liver, thymus, and lung.

---

Note: This product is for in vitro research use only