

Mouse Sphingosine 1-phosphate receptor 5 (S1PR5) ELISA Kit



Catalog No: #EK7461

Orders: order@signalwayantibody.com

Package Size: #EK7461-1 48T #EK7461-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Sphingosine 1-phosphate receptor 5 (S1PR5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	EDG8; Edg-8; S1P5; SPPR-1; SPPR-2; endothelial differentiation; sphingolipid G-protein-coupled receptor; 8 sphingosine 1-phosphate receptor 5 sphingosine 1-phosphate receptor EDG8
Accession No.	Q91X56
Uniprot	Q91X56
GeneID	94226;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.059 ng/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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate S1PR5 in samples. An antibody specific for S1PR5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyS1PR5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for S1PR5 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 S1PR5 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**According to these guidelines, a receptor is to be named with the abbreviation of the natural agonist with the highest potency, followed by a subscripted arabic number. The conceptualized 400-amino acid rat Edg8 protein shares 42 to 49% amino acid identity with the human S1P receptors EDG1, EDG3, and EDG5. Binding analysis confirmed that expression of Edg8 leads to high-affinity binding for labeled S1P.Widely expressed in the brain, most prominently in the corpus callosum, which is predominantly white matter. Detected in spleen, peripheral blood leukocytes, placenta, lung, aorta, and fetal spleen. Low-level signal detected in many tissue extracts. Isoform 1 is predominantly expressed in peripheral tissues, whereas isoform 2 is expressed in brain, spleen and peripheral blood leukocytes.

Note: This product is for in vitro research use only