

Mouse Zinc finger transcription factor Trps1 (TRPS1) ELISA Kit



Catalog No: #EK5996

Orders: order@signalwayantibody.com

Package Size: #EK5996-1 48T #EK5996-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Zinc finger transcription factor Trps1 (TRPS1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	GC79; LGCR; MGC134928; zinc finger transcription factor TRPS1
Accession No.	Q925H1
Uniprot	Q925H1
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:0.055 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 TRPS1 in samples. An antibody specific for TRPS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTRPS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRPS1 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 TRPS1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TRPV1 is a nonselective cation channel that may be activated by a wide variety of exogenous and endogenous physical and chemical stimuli. The best-known activators of TRPV1 are heat greater than 43C and capsaicin, the pungent compound in hot chili peppers.

The activation of TRPV1 leads to painful, burning sensation. Its endogenous activators include: low pH, the endocannabinoid anandamide, N-arachidonoyl-dopamine. TRPV1 receptors are found mainly in the nociceptive neurons of the peripheral nervous system, but they have also been described in many other tissues, including the central nervous system. TRPV1 is involved in the transmission and modulation of pain, as well as the integration of diverse painful stimuli.

Note: This product is for in vitro research use only