

## Rat Slit homolog 1 protein (SLIT1) ELISA Kit

Catalog No: #EK7242



Package Size: #EK7242-1 48T #EK7242-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Rat Slit homolog 1 protein (SLIT1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	RP11-175O19.2; MEGF4; MGC164811; SLIL1; SLIT3; Slit-1; slit homolog 1
Accession No.	O88279
Uniprot	O88279
GeneID	65047;
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:0.052 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 SLIT1 in samples. An antibody specific for SLIT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySLIT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLIT1 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 SLIT1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The SLIT1 cDNA encodes a 1,534-amino acid polypeptide with 43.5% similarity to the *Drosophila* 'slit' protein. Northern blot analysis revealed that the human SLIT1 gene was expressed as a major 8.4- and a minor 5.9-kb transcript primarily in the brain. SLIT2 and SLIT3 mRNAs were primarily expressed in the spinal cord and thyroid, respectively. In situ hybridization studies indicated that the rat Slit1 mRNA was specifically expressed in the neurons of fetal and adult forebrains. These data suggested that the SLIT genes form an evolutionarily conserved group in vertebrates and invertebrates, and that the mammalian SLIT proteins may participate in the formation and maintenance of the nervous and endocrine systems by protein-protein interactions.

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Note: This product is for in vitro research use only