

Rat Kisspeptin 1 (KISS1) ELISA Kit

Catalog No: #EK10219



Package Size: #EK10219-1 48T #EK10219-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Rat Kisspeptin 1 (KISS1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	KISS-1; METASTIN; MGC39258; kisspeptin malignant melanoma metastasis-suppressor
Accession No.	Q7TSB7
Uniprot	Q7TSB7
GeneID	289023;
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:24.69-2000 pg/mL

Sensitivity:8.93 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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate KISS1 in samples. An antibody specific for KISS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyKISS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for KISS1 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 KISS1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Kisspeptin is a G-protein coupled receptor ligand for GPR54. Kiss1 was originally identified as a human metastasis suppressor gene that has the ability to suppress melanoma and breast cancer metastasis. It is recently become clear that kisspeptin-GPR54 signaling has an important role in initiating GnRH secretion at puberty, the extent of which is an area of ongoing research.Kisspeptin is a metastasis suppressor of melanomas and breast cancers without affecting tumorigenicity. The encoded protein may function to inhibit chemotaxis and invasion, attenuating metastasis in malignant melanomas. Studies suggest a putative role in the regulation of events downstream of cell-matrix adhesion, perhaps involving cytoskeletal reorganization. A polymorphism in the terminal exon of this mRNA results in two protein isoforms.

Note: This product is for in vitro research use only