

Human Delta-Sleep Inducing Peptide (dSIP) ELISA Kit | dSIP elisa kit

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CATALOG #
AAA138309

REACTIVITY
Human

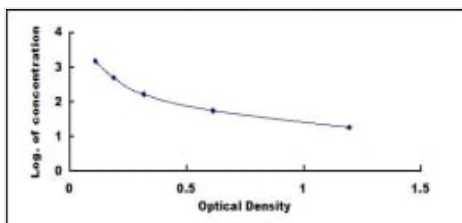
PRODUCT SYNONYMS

Delta-Sleep Inducing Peptide (dSIP); Human Delta-Sleep Inducing Peptide (dSIP) ELISA Kit; DSIPI; TSC22D3; DIP; GILZ; TSC-22R; hDIP; TSC22 Domain Family Protein 3; Glucocorticoid-Induced Leucine Zipper; Delta Sleep Inducing Peptide; Immunoreactor; dSIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Delta-Sleep Inducing Peptide (dSIP). No significant cross-reactivity or interference between Delta-Sleep Inducing Peptide (dSIP) and analogues was observed.
Sequence Length	9
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	18.52-1,500pg/mL
Sensitivity	7.42pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Delta-Sleep Inducing Peptide (dSIP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Delta-Sleep Inducing Peptide (dSIP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for dSIP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Delta-Sleep Inducing Peptide (dSIP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Delta-Sleep Inducing Peptide (dSIP) and unlabeled Delta-Sleep Inducing Peptide (dSIP) (Standards or samples) with the pre-coated antibody specific to Delta-Sleep Inducing Peptide (dSIP). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Delta-Sleep Inducing Peptide (dSIP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Delta-Sleep Inducing Peptide (dSIP) in the sample.
Product Categories/Family for dSIP elisa kit	Reproductive science; Neuroscience; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	118452
Molecular Weight	849 Da
NCBI Official Full Name	Delta sleep-inducing peptide
UniProt Protein Name	Delta sleep-inducing peptide
UniProt Gene Name	DSIP
UniProt Synonym Gene Names	DSIP
UniProt Entry Name	DSIP_RABIT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/delta-sleep-inducing-peptide-dsip/138309>