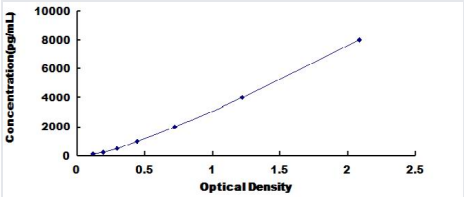
Delta-Sleep Inducing (dSIP) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Delta-Sleep Inducing Peptide (dSIP), ELISA Kit
Full Product Name	Human Delta-Sleep Inducing Peptide (dSIP) ELISA Kit
Product Gene Name	dSIP elisa kit
Product Synonym Names	DSIPI; TSC22D3; DIP; GILZ; TSC-22R; hDIP; TSC22 Domain Family Protein 3; Glucocorticoid-Induced Leucine Zipper; Delta Sleep Inducing Peptide,Immunoreactor
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids.
Detection Range	125-8000pg/mL
Sensitivity	47pg/mL
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Molecular Weight	13,286 Da
OMIM	300506
3D Structure	ModBase 3D Structure for Q99576
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for dSIP elisa kit	Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to dSIP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to dSIP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain dSIP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of dSIP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of dSIP elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for dSIP purchase	MBS458937 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Delta-Sleep Inducing Peptide (dSIP) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing dSIP. The ELISA analytical biochemical technique of the MBS458937 kit is based on dSIP antibody-dSIP antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect dSIP antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, dSIP. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of dSIP elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for dSIP. It may not necessarily be applicable to this product.

NCBI GI #	62865625
NCBI GeneID	1831
NCBI Accession #	NP_001015881.1
UniProt Primary Accession #	Q99576
UniProt Secondary Accession #	Q5H9S3; Q5JRI9; Q6FIH6; Q8NAI1; Q8WVB9; Q9UBN5; Q9UG13
UniProt Related Accession #	Q99576
GenBank Nucleotide #	NM_001015881.1
NCBI Official Full Name	TSC22 domain family protein 3 isoform 3
NCBI Official Synonym Full Names	TSC22 domain family member 3
NCBI Official Symbol	TSC22D3
NCBI Official Synonym Symbols	DIP; GILZ; DSIPI; TSC-22R
UniProt Protein Name	TSC22 domain family protein 3
UniProt Synonym Protein Names	DSIP-immunoreactive peptide; Protein DIP; hDIP; Delta sleep-inducing peptide immunoreactor; Glucocorticoid-induced leucine zipper protein; GILZ; TSC-22-like protein; TSC-22-related protein; TSC-22R
Protein Family	Delta sleep-inducing peptide
UniProt Gene Name	TSC22D3
UniProt Synonym Gene Names	DSIPI; GILZ; Protein DIP; hDIP; GILZ; TSC-22R
NCBI Protein Information	TSC22 domain family protein 3
NCBI Summary for dSIP	This gene encodes the anti-inflammatory protein glucocorticoid (GC)-induced leucine zipper. Expression of this gene stimulated by glucocorticoids and interleukin 10 and it appears to play a key role in the anti-inflammatory and immunosuppressive effects of this steroid. This protein has also been shown to inhibit pro-inflammatory molecules including nuclear factor κB. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
UniProt Comments for dSIP	Protects T-cells from IL2 deprivation-induced apoptosis through the inhibition of FOXO3A transcriptional activity that leads to the down-regulation of the pro-apoptotic factor BCL2L11. In macrophages, plays a role in the anti-inflammatory and immunosuppressive effects of glucocorticoids and IL10. In T-cells, inhibits anti-CD3-induced NFKB1 nuclear translocation. In vitro, suppresses AP1 and NFKB1 DNA-binding activities (). Isoform 1 inhibits myogenic differentiation and mediates anti-myogenic effects of glucocorticoids by binding and regulating MYOD1 and HDAC1 transcriptional activity resulting in reduced expression of MYOG ().
Research Articles on dSIP	**1.** The mRNA expression of GILZ was significantly correlated with Systemic Lupus Erythematosus Disease Activity Index score.

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