TSC22D3 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TSC22D3, Monoclonal Antibody
Full Product Name	TSC22D3 (TSC22 domain family protein 3, Glucocorticoid-induced leucine zipper protein, Delta sleep-inducing peptide immunoreactor, DSIP-immunoreactive Peptide, Protein DIP, TSC-22-like Protein, TSC-22-related Protein, TSC-22R, DSIPI, GILZ) (MaxLight 650)
Product Gene Name	anti-TSC22D3 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3A5
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TSC22D3.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	Predicted: 22 kDa
OMIM	300506
3D Structure	ModBase 3D Structure for Q99576
Immunogen	Partial recombinant corresponding to aa1-97 from human TSC22D3 (NP_932174) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MAQSKLDCRSPVGLDCCNCCLDLAHRSGLQRGSSGENNNPGSPTVSNFRQLQEKLVFENLNTDKLNSIMRQDSLEPVLRDPCYLINEGICNRNIDQT
Conjugate	MaxLight650
Product Categories/Family for anti-TSC22D3 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-TSC22D3 antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-TSC22D3 antibody	IF: 10ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-TSC22D3 antibody	MBS6225233 is an antibody targeting TSC22D3. Also known as TSC22D3 (TSC22 domain family protein 3, Glucocorticoid-induced leucine zipper protein, Delta sleep-inducing peptide immunoreactor, DSIP-immunoreactive Peptide, Protein DIP, TSC-22-like Protein, TSC-22-related Protein, TSC-22R, DSIPI, GILZ) (MaxLight 650). Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-TSC22D3 antibody 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TSC22D3. It may not necessarily be applicable to this product.

NCBI GI #	37622903
NCBI GeneID	1831
NCBI Accession #	NP_932174
UniProt Primary Accession #	Q99576
UniProt Secondary Accession #	Q5H9S3; Q5JRI9; Q6FIH6; Q8NAI1; Q8WVB9; Q9UBN5; Q9UG13
UniProt Related Accession #	Q99576
GenBank Nucleotide #	NM_198057
NCBI Official Full Name	TSC22 domain family protein 3 isoform 1
NCBI Official Synonym Full Names	TSC22 domain family, member 3
NCBI Official Symbol	TSC22D3
NCBI Official Synonym Symbols	DIP; GILZ; hDIP; 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	TSC22 domain family protein
UniProt Gene Name	TSC22D3
UniProt Synonym Gene Names	DSIPI; GILZ; Protein DIP; hDIP; GILZ; TSC-22R
UniProt Entry Name	T22D3_HUMAN
NCBI Protein Information	TSC22 domain family protein 3; TSC-22-like protein; TSC-22 related protein; TSC-22-related protein; DSIP-immunoreactive peptide; DSIP-immunoreactive leucine zipper protein; delta sleep-inducing peptide immunoreactor; delta sleep inducing peptide, immunore
NCBI Summary for TSC22D3	The protein encoded by this gene shares significant sequence identity with the murine TSC-22 and Drosophila shs, both of which are leucine zipper proteins, that function as transcriptional regulators. The expression of this gene is stimulated by glucocorticoids and interleukin 10, and it appears to play a key role in the anti-inflammatory and immunosuppressive effects of this steroid and chemokine. Transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for TSC22D3	GILZ: 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. Belongs to the TSC-22/Dip/Bun family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: DNA-binding Chromosomal Location of Human Ortholog: Xq22.3 Cellular Component: cytosol; nucleus Molecular Function: MRF binding; transcription factor activity Biological Process: negative regulation of skeletal muscle development; regulation of transcription, DNA-dependent; negative regulation of transcription from RNA polymerase II promoter; body fluid secretion; response to osmotic stress; transmembrane transport
Research Articles on TSC22D3	**1.** Data show a diminished expression of the anti-inflammatory mediator GILZ in the inflamed vasculature and indicate that GILZ downregulation requires the mRNA binding protein ZFP36.
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