

Human Twisted Gastrulation Protein Homolog 1 (TWSG1) ELISA Kit | TWSG1 elisa kit

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CATALOG #
AAA139990

REACTIVITY
Human

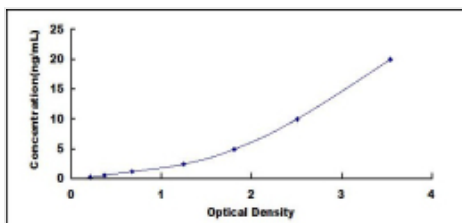
PRODUCT SYNONYMS

Twisted Gastrulation Protein Homolog 1 (TWSG1); Human Twisted Gastrulation Protein Homolog 1 (TWSG1) ELISA Kit; TSG; TWSG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Twisted Gastrulation Protein Homolog 1 (TWSG1). No significant cross-reactivity or interference between Twisted Gastrulation Protein Homolog 1 (TWSG1) and analogues was observed.
Sequence Length	75
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Twisted Gastrulation Protein Homolog 1 (TWSG1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Twisted Gastrulation Protein Homolog 1 (TWSG1) 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 TWSG1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Twisted Gastrulation Protein Homolog 1 (TWSG1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Twisted Gastrulation Protein Homolog 1 (TWSG1). 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 Twisted Gastrulation Protein Homolog 1 (TWSG1), 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 Twisted Gastrulation Protein Homolog 1 (TWSG1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TWSG1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	10190664
NCBI GeneID	57045
NCBI Accession #	NP_065699.1
NCBI GenBank Nucleotide #	NM_020648.5
UniProt Accession #	Q9GZX9; Q8NBI7; Q96K46; B2RE08; D3DUH9
Molecular Weight	8,284 Da
NCBI Official Full Name	twisted gastrulation protein homolog 1
NCBI Official Synonym Full Names	twisted gastrulation BMP signaling modulator 1
NCBI Official Symbol	TWSG1
NCBI Official Synonym Symbols	TSG
NCBI Protein Information	twisted gastrulation protein homolog 1
UniProt Protein Name	Twisted gastrulation protein homolog 1
UniProt Gene Name	TWSG1
UniProt Synonym Gene Names	TSG
UniProt Entry Name	TWSG1_HUMAN

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/twisted-gastrulation-protein-homolog-1-twsg1/139990>