

Human Protein Inhibitor Of Activated STAT 3 (PIAS3) ELISA Kit | PIAS3 elisa kit

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CATALOG #
AAA137058

REACTIVITY
Human

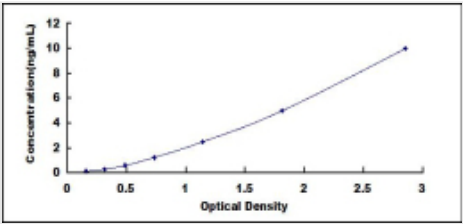
PRODUCT SYNONYMS

Protein Inhibitor Of Activated STAT 3 (PIAS3); Human Protein Inhibitor Of Activated STAT 3 (PIAS3) ELISA Kit; ZMIZ5; Zinc Finger; MIZ-Type Containing 5; E3 SUMO-protein ligase PIAS3; PIAS3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Protein Inhibitor Of Activated STAT 3 (PIAS3). No significant cross-reactivity or interference between Protein Inhibitor Of Activated STAT 3 (PIAS3) and analogues was observed.
Sequence Length	628
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Protein Inhibitor Of Activated STAT 3 (PIAS3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Protein Inhibitor Of Activated STAT 3 (PIAS3) 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 PIAS3 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 Protein Inhibitor Of Activated STAT 3 (PIAS3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Protein Inhibitor Of Activated STAT 3 (PIAS3). 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 Protein Inhibitor Of Activated STAT 3 (PIAS3), 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 Protein Inhibitor Of Activated STAT 3 (PIAS3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PIAS3 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	119591837
NCBI GeneID	10401
UniProt Accession #	Q9Y6X2; Q9UFI3
Molecular Weight	68,017 Da
NCBI Official Full Name	protein inhibitor of activated STAT, 3, isoform CRA_c
NCBI Official Synonym Full Names	protein inhibitor of activated STAT, 3
NCBI Official Symbol	PIAS3
NCBI Official Synonym Symbols	ZMIZ5
NCBI Protein Information	E3 SUMO-protein ligase PIAS3
UniProt Protein Name	E3 SUMO-protein ligase PIAS3
UniProt Gene Name	PIAS3
UniProt Entry Name	PIAS3_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/protein-inhibitor-of-activated-stat-3-pias3/137058>