

Mouse Protein Inhibitor Of Activated STAT 1 ELISA Kit | PIAS1 elisa kit

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CATALOG #
AAA83934

REACTIVITY
Mouse

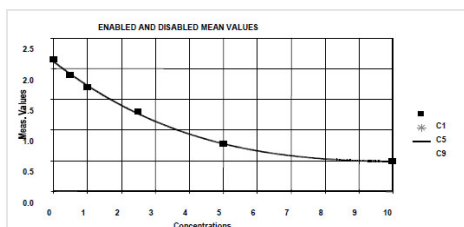
PRODUCT SYNONYMS

Protein Inhibitor Of Activated STAT 1; Mouse Protein Inhibitor Of Activated STAT 1 ELISA Kit; PIAS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIAS1 elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate serum or blood plasma

Intended Uses: This PIAS1 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PIAS1 in the sample, this PIAS1 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PIAS1 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of PIAS1 utilizes a polyclonal anti-PIAS1 antibody and an PIAS1-HRP conjugate. The assay sample and buffer are incubated together with PIAS1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PIAS1 concentration since PIAS1 from samples and PIAS1-HRP conjugate compete for the anti-PIAS1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PIAS1 from the sample, fewer sites are left to bind PIAS1-HRP conjugate. Standards of known PIAS1 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (O.D.) to the concentration of PIAS1. The PIAS1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47933874
NCBI GeneID	427514
Molecular Weight	62,800 Da
NCBI Official Full Name	PIAS1
NCBI Official Synonym Full Names	protein inhibitor of activated STAT, 1
NCBI Official Symbol	PIAS1
NCBI Protein Information	E3 SUMO-protein ligase PIAS1; SUMO E3 ligase
UniProt Protein Name	PIAS1
UniProt Gene Name	PIAS1
UniProt Entry Name	Q5QGZ1_CHICK

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/pias1-mouse-elisa-kits/protein-inhibitor-of-activated-stat-1/83934>