

Rat Pim-1 Oncogene (PIM1) ELISA Kit | PIM1 elisa kit

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CATALOG #
AAA68653

REACTIVITY
Rat

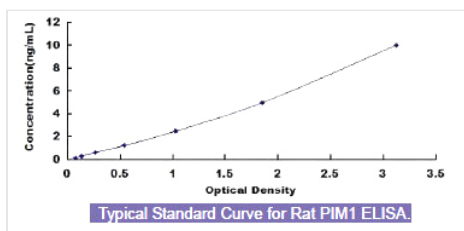
PRODUCT SYNONYMS

Pim-1 Oncogene (PIM1); Rat Pim-1 Oncogene (PIM1) ELISA Kit; Proto-Oncogene Serine/Threonine-Protein Kinase Pim-1; PIM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PIM1. No significant cross-reactivity or interference between PIM1 and analogues was observed.
Sequence Length	313
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.068ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PIM1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PIM1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIM1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PIM1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PIM1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PIM1. 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 PIM1, 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 PIM1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393959
NCBI GeneID	24649
NCBI Accession #	NP_058730.1
NCBI GenBank Nucleotide #	NM_017034.1
UniProt Accession #	P26794
Molecular Weight	35,631 Da
NCBI Official Full Name	serine/threonine-protein kinase pim-1
NCBI Official Synonym Full Names	Pim-1 proto-oncogene, serine/threonine kinase
NCBI Official Symbol	Pim1
NCBI Protein Information	serine/threonine-protein kinase pim-1
UniProt Protein Name	Serine/threonine-protein kinase pim-1
UniProt Gene Name	Pim1
UniProt Synonym Gene Names	Pim-1

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/rat-elisa-kits/pim-1-oncogene-pim1/68653>