

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

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CATALOG #
AAA136067

REACTIVITY
Human

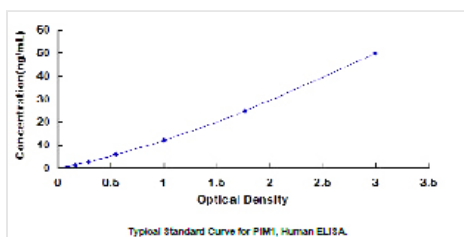
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between PIM1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	313
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.26ng/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%
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 PIM1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PIM1 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PIM1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody 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.
Product Categories/Family for PIM1 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	18044378
NCBI GeneID	5292
UniProt Accession #	P11309; Q38RT9; Q5T7H7; Q96RG3
Molecular Weight	35,686 Da
NCBI Official Full Name	Pim-1 oncogene
NCBI Official Synonym Full Names	Pim-1 proto-oncogene, serine/threonine kinase
NCBI Official Symbol	PIM1
NCBI Official Synonym Symbols	PIM
NCBI Protein Information	serine/threonine-protein kinase pim-1
UniProt Protein Name	Serine/threonine-protein kinase pim-1
UniProt Gene Name	PIM1
UniProt Entry Name	PIM1_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/pim-1-oncogene-pim1/136067>