

Human Pim-3 Oncogene (PIM3) ELISA Kit | PIM3 elisa kit

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CATALOG #
AAA187871

REACTIVITY
Human

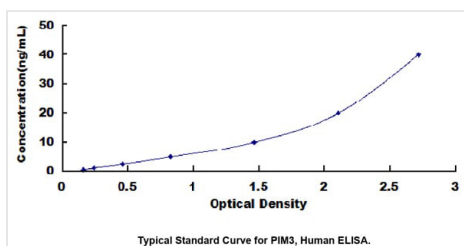
PRODUCT SYNONYMS

Pim-3 Oncogene (PIM3); Human Pim-3 Oncogene (PIM3) ELISA Kit; Serine/threonine-protein kinase pim-3; PIM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PIM3. No significant cross-reactivity or interference between PIM3 and analogues was observed.
Sequence Length	326
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.221ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PIM3 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 PIM3 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 PIM3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PIM3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PIM3. 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 PIM3, 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 PIM3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PIM3 in human serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	146327819
NCBI GeneID	415116
UniProt Accession #	Q86V86; Q68BM2; A5D8X8; A8K7J0; B1B0P0
Molecular Weight	35,891 Da
NCBI Official Full Name	Pim-3 oncogene
NCBI Official Synonym Full Names	Pim-3 proto-oncogene, serine/threonine kinase
NCBI Official Symbol	PIM3
NCBI Official Synonym Symbols	pim-3
NCBI Protein Information	serine/threonine-protein kinase pim-3
UniProt Protein Name	Serine/threonine-protein kinase pim-3
UniProt Gene Name	PIM3

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.