

Rat Pim-1 Oncogene ELISA Kit | PIM1 elisa kit

Rat Pim-1 Oncogene ELISA Kit

CATALOG #
AAA93853

REACTIVITY
Rat

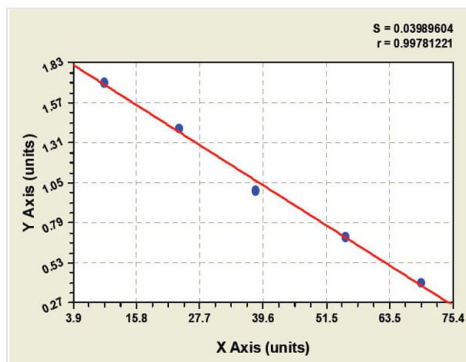
PRODUCT SYNONYMS

Pim-1 Oncogene; Rat Pim-1 Oncogene ELISA Kit; PIM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PIM1 elisa kit

Intended Uses: This PIM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PIM1. This ELISA kit for research use only!

Principle of the Assay: PIM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PIM1 antibody and an PIM1-HRP conjugate. The assay sample and buffer are incubated together with PIM1-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 PIM1 concentration since PIM1 from samples and PIM1-HRP conjugate compete for the anti-PIM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PIM1 from the sample, fewer sites are left to bind PIM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PIM1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18044378
NCBI GeneID	5292
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; Oncogene PIM1; pim-1 kinase 44 kDa isoform; pim-1 oncogene (proviral integration site 1); proto-oncogene 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.