

Mouse Serine/threonine-protein kinase pim-3 (PIM3) ELISA Kit

Catalog No: #EK8504

Orders: order@signalwayantibody.com

Package Size: #EK8504-1 48T #EK8504-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Serine/threonine-protein kinase pim-3 (PIM3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	CITF22-49E9.1; pim-3; serine/threonine kinase Pim-3 serine/threonine protein kinase pim-3 serine/threonine-protein kinase pim-3
Accession No.	P58750
Uniprot	P58750
GeneID	223775;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.625-40 ng/mL

Sensitivity:0.239 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate PIM3 in samples. An antibody specific for PIM3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPIM3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIM3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PIM3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The deduced 326-amino acid protein has a calculated molecular mass of 35.9 kD. PIM3 shares 95% amino acid identity with rodent Pim3 and 57.1% and 44.0% amino acid identity with human PIM1 and PIM2 , respectively.

Northern blot analysis detected a 2.4-kb transcript in heart, skeletal muscle, brain, spleen, kidney, placenta, lung, and peripheral blood leukocytes. Expression was not detected in colon, thymus, liver, and small intestine. Immunohistochemical analysis showed no expression of PIM3 in normal liver, but it localized diffusely in large regenerative nodules and adenomatous hyperplasia, lesions with precancerous potential, adjacent to hepatocellular carcinoma areas. PIM3 was expressed in all hepatoma cell lines examined.

Note: This product is for in vitro research use only