

Mouse Peptidyl-prolyl cis-trans isomerase  
NIMA-interacting 1 (PIN1) ELISA Kit

Catalog No: #EK8503

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Package Size: #EK8503-1 48T #EK8503-2 96T

Description

Product Name	Mouse Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1 (PIN1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DOD; UBL5; peptidyl-prolyl cis/trans isomerase; NIMA-interacting prolyl isomerase protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting 1 protein (peptidylprolyl cis/trans isomerase) NIMA-i
Accession No.	Q9QUR7
Uniprot	Q9QUR7
GeneID	23988;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:1.56-100 pg/mL
Sensitivity:0.39 pg/mL
Sample Type:Serum, Plasma, Other biological fluids
Sample Volume: 1-200 µL
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 PIN1 in samples. An antibody specific for PIN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPIN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PIN1 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 PIN1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Peptidyl-prolyl cis/trans isomerases (PPIases; EC 5.2.1.8), such as PIN1, catalyze the cis/trans isomerization of peptidyl-prolyl peptide bonds. PIN1 is the only PPIase that specifically binds to phosphorylated ser/thr-pro motifs to catalytically regulate the post-phosphorylation conformation of its substrates. PIN1-catalyzed conformational regulation has a profound impact on key proteins involved in the regulation of cell growth, genotoxic and other stress responses, the immune response, germ cell development, neuronal differentiation, and survival. Both Drosophila and human DOD contain a WW domain for protein-protein interactions and a peptidylprolyl cis-trans isomerase (PPIase) domain, and they are related to the Ess1 cell division gene of Saccharomyces cerevisiae.

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Note: This product is for in vitro research use only