

Mouse Peroxidase homolog (PXDN) ELISA Kit

Catalog No: #EK7929



Package Size: #EK7929-1 48T #EK7929-2 96T

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Description

Product Name	Mouse Peroxidase homolog (PXDN) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	D2S448; D2S448E; KIAA0230; MG50; PRG2; PXN; VPO; p53-responsive gene 2 peroxidase
Accession No.	Q3UQ28
Uniprot	Q3UQ28
GeneID	69675;
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:Request Information

Sensitivity:Request Information

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 PXDN in samples. An antibody specific for PXDN has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPXDN present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PXDN 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 PXDN bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:***Drosophila* peroxidase is an extracellular matrix-associated peroxidase. It is expressed exclusively in hemocytes derived from head mesoderm at a very early stage of differentiation. Peroxidase exists as a homotrimer with a unique hybrid structure that combines an enzymatically functional peroxidase domain with motifs that are typically found in extracellular matrix-associated proteins. It is a secreted protein that contains a secretory recognition sequence at its N terminus. Peroxidase catalyzes hydrogen peroxide-driven radioiodination, oxidations, and the formation of dityrosine in vitro. It is also thought to function in extracellular matrix consolidation, phagocytosis, and defense.

Note: This product is for in vitro research use only