

Human Prefoldin subunit 5 (PFDN5) ELISA Kit

Catalog No: #EK8572



Package Size: #EK8572-1 48T #EK8572-2 96T

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Description

Product Name	Human Prefoldin subunit 5 (PFDN5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC5329; MGC71907; MM-1; MM1; PFD5; c-myc binding protein myc modulator-1 prefoldin 5
Accession No.	Q99471
Uniprot	Q99471
GeneID	5204;
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:0.156-10 ng/mL

Sensitivity:0.057 ng/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 PFDN5 in samples. An antibody specific for PFDN5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPFDN5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PFDN5 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 PFDN5 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Prefoldin subunit 5 is a member of the prefoldin alpha subunit family. The encoded protein is one of six subunits of prefoldin, a molecular chaperone complex that binds and stabilizes newly synthesized polypeptides, thereby allowing them to fold correctly. The complex, consisting of two alpha and four beta subunits, forms a double beta barrel assembly with six protruding coiled-coils. The encoded protein may also repress the transcriptional activity of the proto-oncogene c-Myc. Alternatively spliced transcript variants encoding different isoforms have been described.Fluorescent microscopy showed MM1 expression primarily in the nucleus, with lower intensity in nucleoli and cytoplasm. Binding analyses indicated that MM1 and c-myc bind directly and that all but the N-terminal 13 amino acids of MM1 are required for binding.

Note: This product is for in vitro research use only