

## Human Cyclophilin B (CyPB) ELISA Kit

Catalog No: #EK11425



Package Size: #EK11425-1 48T #EK11425-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Human Cyclophilin B (CyPB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CYP-S1; CYPB; MGC14109; MGC2224; OI9; SCYLP; PPIase[S-cyclophilin cyclophilin-like protein peptidyl-prolyl cis-trans isomerase B peptidylprolyl isomerase B rotamase
Accession No.	P23284
Uniprot	P23284
GenID	5479;
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 PPIB in samples. An antibody specific for PPIB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPPIB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPIB 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 PPIB bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Cyclophilin B (CyPB) is a member of the cyclophilin family with specific N- and C-terminal extensions. CyPB is a heparin-binding protein first identified as a receptor for cyclosporin A(CsA). CsA blocks helper T-cell activation at a step between T-cell receptor stimulation and the transcriptional activation of cytokine genes. Cyclophilins from many species possess peptidyl-prolyl cis-trans isomerase (PPIase) activity that is blocked by CsA and therefore may be relevant in CsA-mediated immunosuppression. Unlike CyPA, CyPB has a signal sequence leading to its translocation in the endoplasmic reticulum. CyPB is secreted in biological fluids such as blood or milk and binds to a specific receptor present on the human lymphoblastic cell line Jurkat and on human peripheral blood lymphocytes.

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Note: This product is for in vitro research use only