

# Human Transcriptional repressor protein YY1 (YY1) ELISA Kit



Catalog No: #EK5797

Orders: order@signalwayantibody.com

Package Size: #EK5797-1 48T #EK5797-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Transcriptional repressor protein YY1 (YY1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DELTA; INO80S; NF-E1; UCRBP; YIN-YANG-1; INO80 complex subunit S Yin and Yang 1 protein
Accession No.	P25490
Uniprot	P25490
GeneID	7528;
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:0.061 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 YY1 in samples. An antibody specific for YY1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyYY1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for YY1 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 YY1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1. Multifunctional transcription factor that exhibits positive and negative control on a large number of cellular and viral genes by binding to sites overlapping the transcription start site. May play an important role in development and differentiation. The function of YY1 as an activator or a repressor is specified by the presence of other proteins.

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Note: This product is for in vitro research use only