Human DNA-directed RNA polymerase I subunit RPA12 (ZNRD1) ELISA Kit

Catalog No: #EK11688

Package Size: #EK11688-1 48T #EK11688-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human DNA-directed RNA polymerase I subunit RPA12 (ZNRD1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DAAP-65D20.6; HTEX-6; MGC13376; Rpa12; TEX6; hZR14; tctex-6; OTTHUMP00000161285|OTTHUMP00000161286|RNA polymerase I small specific subunit Rpa12|transcription-associated zinc ribbon protein
Accession No.	Q9P1U0
Uniprot	Q9P1U0
GeneID	30834;
Storage	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. 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).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.107 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 ZNRD1 in samples. An antibody specific for ZNRD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyZNRD1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZNRD1 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 ZNRD1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:ZNRD1 encodes a protein with similarity to the Saccharomyces cerevisiae Rpa12p subunit of RNA polymerase I. Alternate splicing of this gene results in two transcript variants encoding the same protein. Additional splice variants have been described, but their full-length sequences have not been determined.Lepourcelet et al. (1996) identified ZNRD1, which they called HTEX6, as 1 of several genes in the HLA-A /HLA-F region of chromosome 6. The deduced protein contains 2 potential zinc-binding motifs and shows significant homology with the A12.2 subunit of yeast polymerase I and mouse Tctex6. Coriton et al. (2000) cloned ZNRD1 from a testis cDNA library.

The deduced protein contains 126 amino acids. They also identified splice variants predicted to encode shorter peptides.

Note: This product is for in vitro research use only