

Human Double-stranded RNA-specific adenosine deaminase (ADAR) ELISA Kit



Catalog No: #EK7716

Orders: order@signalwayantibody.com

Package Size: #EK7716-1 48T #EK7716-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Double-stranded RNA-specific adenosine deaminase (ADAR) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-61L14.5; ADAR1; DRADA; DSH; DSRAD; G1P1; IFI-4; IFI4; K88dsRBP; p136; 136 kDa double-stranded RNA binding protein adenosine deaminase acting on RNA 1-A interferon-induced protein 4 interferon-i
Accession No.	P55265
Uniprot	P55265
GeneID	103;
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:23.44-1500 pg/mL

Sensitivity:5.86 pg/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 ADAR in samples. An antibody specific for ADAR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAR 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 ADAR bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Double-stranded RNA-specific adenosine deaminase is an enzyme responsible for RNA editing by site-specific deamination of adenosines. This enzyme destabilizes double stranded RNA through conversion of adenosine to inosine. Mutations in this gene have been associated with dyschromatosis symmetrica hereditaria. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.ADAR requires the small molecule inositol hexakisphosphate (IP6) for proper function. Ubiquitously expressed, highest levels were found in brain and lung.SH is a pigmentary genodermatosis of autosomal dominant inheritance characterized by a mixture of

hyperpigmented and hypopigmented macules distributed on the dorsal parts of the hands and feet.

Note: This product is for in vitro research use only