

Human Double-Stranded RNA-Specific Adenosine Deaminase (ADAR) ELISA Kit | ADAR elisa kit

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CATALOG #
AAA331116

REACTIVITY
Human

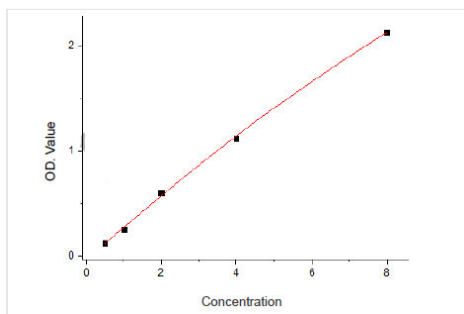
PRODUCT SYNONYMS

Double-Stranded RNA-Specific Adenosine Deaminase (ADAR); Human Double-Stranded RNA-Specific Adenosine Deaminase (ADAR) ELISA Kit; ADAR; 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; ADAR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	931
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADAR elisa kit

Principle of the Assay: Human Double-stranded RNA-specific Adenosine Deaminase (ADAR) ELISA Kit 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 any ADAR present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human ADAR detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.

Background/Introduction: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	70167113
NCBI GeneID	103
NCBI Accession #	NP_001020278.1
NCBI GenBank Nucleotide #	NP_001020278.1
UniProt Accession #	P55265
NCBI Official Full Name	double-stranded RNA-specific adenosine deaminase isoform d
NCBI Official Synonym Full Names	adenosine deaminase RNA specific
NCBI Official Symbol	ADAR
NCBI Official Synonym Symbols	DSH; AGS6; G1P1; IFI4; P136; ADAR1; DRADA; DSRAD; IFI-4; K88DSRBP
NCBI Protein Information	double-stranded RNA-specific adenosine deaminase
UniProt Protein Name	Double-stranded RNA-specific adenosine deaminase
UniProt Gene Name	ADAR
UniProt Synonym Gene Names	ADAR1; DSRAD; G1P1; IFI4; DRADA; p136; IFI-4
UniProt Entry Name	DSRAD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/double-stranded-rna-specific-adenosine-deaminase-adar/331116>