

ARG81928 Human ADA ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81928-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81928-002	Standard	2 X 10 ng/vial	4°C
ARG81928-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81928-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81928-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81928-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81928-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81928-008	25X Wash buffer	20 ml	4°C
ARG81928-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81928-010	STOP solution	10 ml (Ready to use)	4°C
ARG81928-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81928 Human ADA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human ADA in serum, pleural fluid and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	ADA
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, pleural fluid and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.0%; Inter-Assay CV: 5.7%
Alternate Names	Adenosine deaminase; EC 3.5.4.4; Adenosine aminohydrolase

Application Instructions

Assay Time	~ 5 hours
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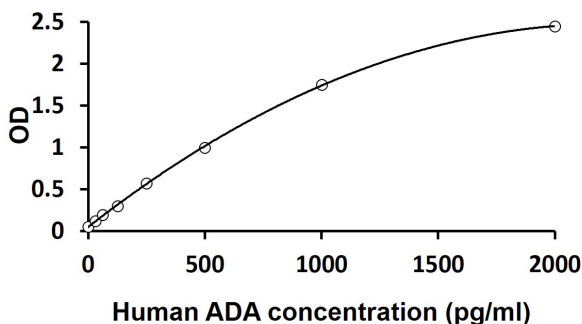
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ADA
Gene Full Name	adenosine deaminase
Background	This gene encodes an enzyme that catalyzes the hydrolysis of adenosine to inosine. Various mutations have been described for this gene and have been linked to human diseases. Deficiency in this enzyme causes a form of severe combined immunodeficiency disease (SCID), in which there is dysfunction of both B and T lymphocytes with impaired cellular immunity and decreased production of immunoglobulins, whereas elevated levels of this enzyme have been associated with congenital hemolytic anemia. [provided by RefSeq, Jul 2008]
Function	Catalyzes the hydrolytic deamination of adenosine and 2-deoxyadenosine. Plays an important role in purine metabolism and in adenosine homeostasis. Modulates signaling by extracellular adenosine, and so contributes indirectly to cellular signaling events. Acts as a positive regulator of T-cell coactivation, by binding DPP4. Its interaction with DPP4 regulates lymphocyte-epithelial cell adhesion. [UniProt]
Highlight	Related products: ADA antibodies ; ADA ELISA Kits ; ADA Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81928 Human ADA ELISA Kit standard curve image

ARG81928 Human ADA ELISA Kit results of a typical standard run with optical density reading at 450 nm.