

ARG81920 Human CD73 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81920-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81920-002	Standard	2 X 10 ng/vial	4°C
ARG81920-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81920-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81920-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81920-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81920-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81920-008	25X Wash buffer	20 ml	4°C
ARG81920-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81920-010	STOP solution	10 ml (Ready to use)	4°C
ARG81920-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81920 Human CD73 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD73 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD73
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0%; Inter-Assay CV: 7.0%
Alternate Names	5'-nucleotidase; CD antigen CD73; eN; CALJA; CD73; EC 3.1.3.5; NT; Ecto-5'-nucleotidase; NT5; E5NT; 5'-NT; eNT; NTE

Application Instructions

Assay Time	~ 5 hours
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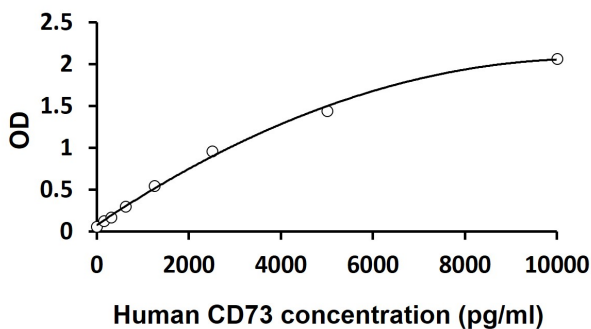
Properties

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	NT5E
Gene Full Name	5'-nucleotidase, ecto (CD73)
Background	The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011]
Function	Hydrolyzes extracellular nucleotides into membrane permeable nucleosides. Exhibits AMP-, NAD-, and NMN-nucleosidase activities. [UniProt]
Highlight	Related products: CD73 antibodies ; CD73 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81920 Human CD73 ELISA Kit standard curve image

ARG81920 Human CD73 ELISA Kit results of a typical standard run with optical density reading at 450 nm.