

ARG81502 Human CD278 / ICOS ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81502-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81502-002	Standard	2 X 10 ng/vial	4°C
ARG81502-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81502-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81502-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81502-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81502-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81502-008	25X Wash buffer	20 ml	4°C
ARG81502-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81502-010	STOP solution	10 ml (Ready to use)	4°C
ARG81502-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81502 Human CD278 / ICOS ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD278 / ICOS 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	CD278 / ICOS
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 6.3%
Alternate Names	CD antigen CD278; CD278; Inducible T-cell costimulator; ALLIM; Activation-inducible lymphocyte immunomediatory molecule; CVID1

Application Instructions

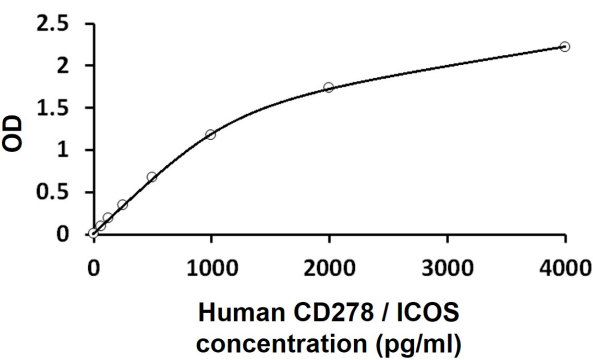
Assay Time	~ 5 hours
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Properties

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	ICOS
Gene Full Name	inducible T-cell co-stimulator
Background	The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation. [provided by RefSeq, Jul 2008]
Function	Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobulin isotypes (By similarity). [UniProt]
Highlight	Related products: CD278 antibodies ; CD278 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]



ARG81502 Human CD278 / ICOS ELISA Kit standard curve image

ARG81502 Human CD278 / ICOS ELISA Kit results of a typical standard run with optical density reading at 450 nm.