

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

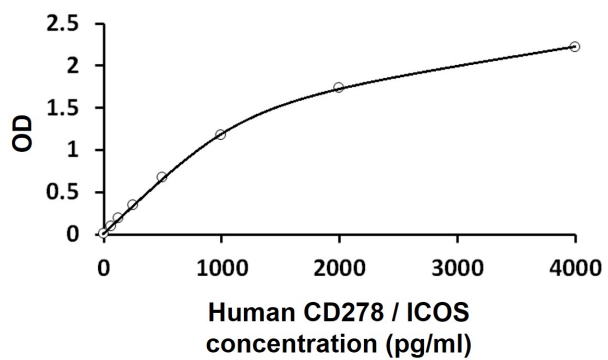
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

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.
