

ARG81713 Human CD27 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81713-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81713-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81713-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81713-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81713-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81713-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81713-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81713-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81713-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81713-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81713-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81713 Human CD27 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD27 in serum and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | CD27 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 31.25 pg/ml |
| Sample Type | Serum and cell culture supernatants. |
| Standard Range | 62.5 - 4000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 5.9%; Inter-Assay CV: 7.3% |
| Alternate Names | T-cell activation antigen CD27; Tp55; CD antigen CD27; CD27 antigen; S152. LPFS2; T14; S152; Tumor necrosis factor receptor superfamily member 7; CD27L receptor; TNFRSF7 |

Application Instructions

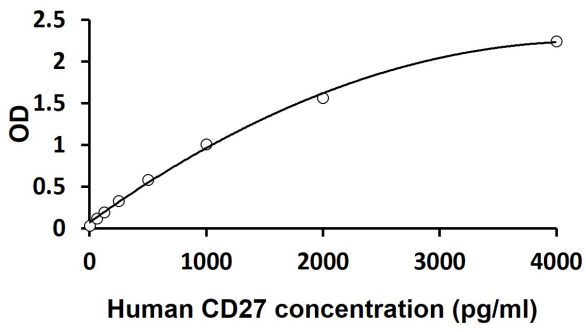
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

Properties

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|---------------------|--|
| 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

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|----------------|---|
| Gene Symbol | CD27 |
| Gene Full Name | CD27 molecule |
| Background | The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. [provided by RefSeq, Jul 2008] |
| Function | Receptor for CD70/CD27L. May play a role in survival of activated T-cells. May play a role in apoptosis through association with SIVA1. [UniProt] |
| Highlight | Related products: CD27 antibodies ; CD27 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | Phosphorylated. O-glycosylated with core 1 or possibly core 8 glycans. [UniProt] |



ARG81713 Human CD27 ELISA Kit standard curve image

ARG81713 Human CD27 ELISA Kit results of a typical standard run with optical density reading at 450 nm.