

ARG81723 Mouse CD127 / IL7R ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81723-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81723-002 | Standard | 2 X 20 ng/vial | 4°C |
| ARG81723-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81723-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81723-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81723-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81723-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81723-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81723-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81723-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81723-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81723 Mouse CD127 / IL7R ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse CD127 / IL7R in serum and cell culture supernatants. |
| Tested Reactivity | Ms |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | CD127 / IL7R |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 15.6 pg/ml |
| Sample Type | Serum and cell culture supernatants. |
| Standard Range | 31.2 - 2000 pg/ml |
| Sample Volume | 100 µl |

| | |
|-----------------|---|
| Precision | Intra-Assay CV: 5.6%; Inter-Assay CV: 6.7% |
| Alternate Names | ILRA; CD127; IL-7R subunit alpha; IL-7R-alpha; IL7RA; CD antigen CD127; Interleukin-7 receptor subunit alpha; CDW127; CDw127; IL-7 receptor subunit alpha; IL-7RA |

Application Instructions

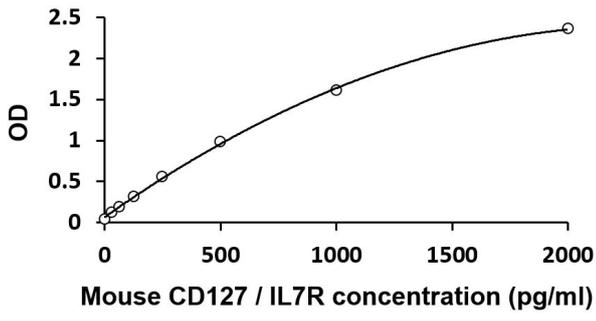
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

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

| | |
|----------------|---|
| Gene Symbol | IL7R |
| Gene Full Name | interleukin 7 receptor |
| Background | The protein encoded by this gene is a receptor for interleukine 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukine 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in the V(D)J recombination during lymphocyte development. This protein is also found to control the accessibility of the TCR gamma locus by STAT5 and histone acetylation. Knockout studies in mice suggested that blocking apoptosis is an essential function of this protein during differentiation and activation of T lymphocytes. The functional defects in this protein may be associated with the pathogenesis of the severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2014] |
| Function | Receptor for interleukin-7. Also acts as a receptor for thymic stromal lymphopoietin (TSLP). [UniProt] |
| Highlight | Related products: CD127 antibodies ; CD127 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | N-glycosylated IL-7Ralpha binds IL7 300-fold more tightly than the unglycosylated form. [UniProt] |



ARG81723 Mouse CD127 / IL7R ELISA Kit standard curve image

ARG81723 Mouse CD127 / IL7R ELISA Kit results of a typical standard run with optical density reading at 450 nm.