

ARG82501 Human IL1RAcP ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG82501-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82501-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG82501-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG82501-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82501-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82501-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82501-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82501-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG82501-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG82501-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG82501-011 | Plate sealer | 4 strips | Room temperature |

Summary

| | |
|---------------------|---|
| Product Description | ARG82501 Human IL1RAcP ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL1RAcP in serum, plasma (EDTA, heparin) and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Target Name | IL1RAcP |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 156 pg/ml |
| Sample Type | Serum, plasma (EDTA, heparin) and cell culture supernatants. |
| Standard Range | 312 - 20000 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: 5.0% Inter-Assay CV: 5.8% |

Alternate Names Interleukin-1 receptor 3; IL-1R3; Interleukin-1 receptor accessory protein; IL-1 receptor accessory protein; IL-1R-3; IL1R3; C3orf13; IL-1RAcP

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 IL1RAP

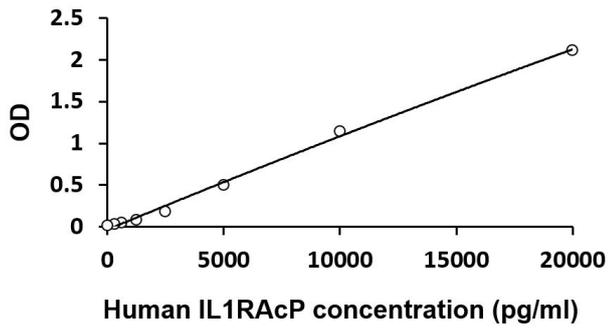
Gene Full Name interleukin 1 receptor accessory protein

Background Interleukin 1 induces synthesis of acute phase and proinflammatory proteins during infection, tissue damage, or stress, by forming a complex at the cell membrane with an interleukin 1 receptor and an accessory protein. This gene encodes the interleukin 1 receptor accessory protein. The protein is a necessary part of the interleukin 1 receptor complex which initiates signalling events that result in the activation of interleukin 1-responsive genes. Alternative splicing of this gene results in two transcript variants encoding two different isoforms, one membrane-bound and one soluble. The ratio of soluble to membrane-bound forms increases during acute-phase induction or stress. [provided by RefSeq, Nov 2009]

Function Coreceptor for IL1RL2 in the IL-36 signaling system (By similarity). Coreceptor with IL1R1 in the IL-1 signaling system. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Secreted forms (isoforms 2 and 3) associate with secreted ligand-bound IL1R2 and increase the affinity of secreted IL1R2 for IL1B; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors. [UniProt]

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[Simplify the ELISA analysis by GainData](#)

Cellular Localization Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. Isoform 3: Secreted. [UniProt]



ARG82501 Human IL1RAcP ELISA Kit standard curve image

ARG82501 Human IL1RAcP ELISA Kit results of a typical standard run with optical density reading at 450 nm.