

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
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Application Instructions

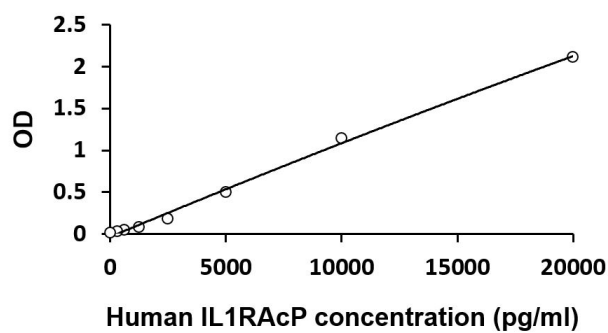
Assay Time	~ 5 hours
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Properties

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	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]
Highlight	Related products: IL1RA antibodies ; IL1RA ELISA Kits ; IL1RA recombinant proteins ; New ELISA data calculation tool: 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.