

ARG81742 Mouse IL1RA ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81742-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81742-002	Standard	2 X 10 ng/vial	4°C
ARG81742-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81742-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81742-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81742-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81742-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81742-008	25X Wash buffer	20 ml	4°C
ARG81742-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81742-010	STOP solution	10 ml (Ready to use)	4°C
ARG81742-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81742 Mouse IL1RA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL1RA in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL1RA
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: 6.7%
Alternate Names	IL1 inhibitor; Interleukin-1 receptor antagonist protein; ICIL-1RA; MVCD4; IL1RA; DIRA; IL-1RN; Anakinra; IL1F3; IRAP; IL-1ra; IL-1ra3

Application Instructions

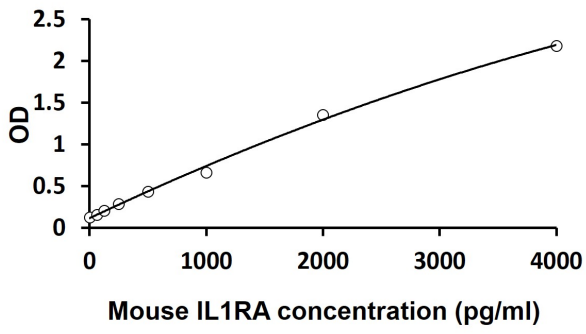
Assay Time	~ 5 hours
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Properties

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	IL1RN
Gene Full Name	interleukin 1 receptor antagonist
Background	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Function	Inhibits the activity of interleukin-1 by binding to receptor IL1R1 and preventing its association with the coreceptor IL1RAP for signaling. Has no interleukin-1 like activity. Binds functional interleukin-1 receptor IL1R1 with greater affinity than decoy receptor IL1R2; however, the physiological relevance of the latter association is unsure. [UniProt]
Highlight	Related products: IL1RA antibodies ; IL1RA ELISA Kits ; IL1RA recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81742 Mouse IL1RA ELISA Kit standard curve image

ARG81742 Mouse IL1RA ELISA Kit results of a typical standard run with optical density reading at 450 nm.