

ARG81983 Mouse IL23 Receptor ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81983-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81983-002	Standard	2 X 10 ng/vial	4°C
ARG81983-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81983-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81983-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81983-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81983-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81983-008	25X Wash buffer	20 ml	4°C
ARG81983-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81983-010	STOP solution	10 ml (Ready to use)	4°C
ARG81983-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81983 Mouse IL23 Receptor ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL23 Receptor 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	IL23 Receptor
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	39 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.2%; Inter-Assay CV: 6.7%
Alternate Names	Interleukin-23 receptor; IL-23R; IL-23 receptor

Application Instructions

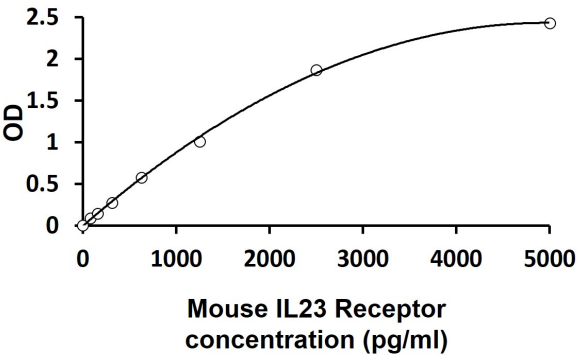
Assay Time	~ 5 hours
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Properties

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	IL23R
Gene Full Name	interleukin 23 receptor
Background	The protein encoded by this gene is a subunit of the receptor for IL23A/IL23. This protein pairs with the receptor molecule IL12RB1/IL12Rbeta1, and both are required for IL23A signaling. This protein associates constitutively with Janus kinase 2 (JAK2), and also binds to transcription activator STAT3 in a ligand-dependent manner. [provided by RefSeq, Jul 2008]
Function	Associates with IL12RB1 to form the interleukin-23 receptor. Binds IL23 and mediates T-cells, NK cells and possibly certain macrophage/myeloid cells stimulation probably through activation of the Jak-Stat signaling cascade. IL23 functions in innate and adaptive immunity and may participate in acute response to infection in peripheral tissues. IL23 may be responsible for autoimmune inflammatory diseases and be important for tumorigenesis. [UniProt]
Highlight	Related products: IL23 Receptor antibodies ; IL23 Receptor ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Phosphorylated in response to IL23. [UniProt]



ARG81983 Mouse IL23 Receptor ELISA Kit standard curve image

ARG81983 Mouse IL23 Receptor ELISA Kit results of a typical standard run with optical density reading at 450 nm.