

ARG81900 Mouse IL24 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81900-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81900-002	Standard	2 X 10 ng/vial	4°C
ARG81900-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81900-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81900-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81900-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81900-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81900-008	25X Wash buffer	20 ml	4°C
ARG81900-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81900-010	STOP solution	10 ml (Ready to use)	4°C
ARG81900-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81900 Mouse IL24 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL24 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	IL24
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: 5.2%; Inter-Assay CV: 5.8%
Alternate Names	IL10B; Interleukin-24; Melanoma differentiation-associated gene 7 protein; MDA7; MDA-7; C49A; ST16; FISP; Suppression of tumorigenicity 16 protein; IL-24; MOB5

Application Instructions

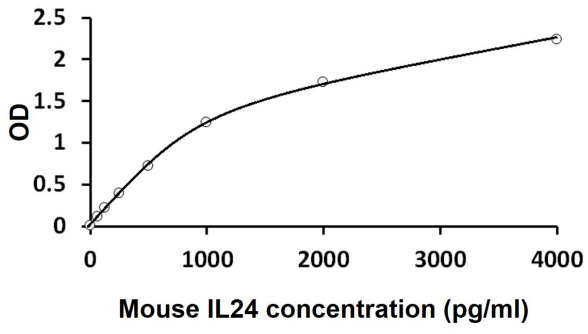
Assay Time	~ 5 hours
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Properties

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	IL24
Gene Full Name	interleukin 24
Background	This gene encodes a member of the IL10 family of cytokines. It was identified as a gene induced during terminal differentiation in melanoma cells. The protein encoded by this gene can induce apoptosis selectively in various cancer cells. Overexpression of this gene leads to elevated expression of several GADD family genes, which correlates with the induction of apoptosis. The phosphorylation of mitogen-activated protein kinase 14 (MAPK7/P38), and heat shock 27kDa protein 1 (HSPB2/HSP27) are found to be induced by this gene in melanoma cells, but not in normal immortal melanocytes. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Function	Has antiproliferative properties on melanoma cells and may contribute to terminal cell differentiation. [UniProt]
Highlight	Related products: IL24 antibodies ; IL24 ELISA Kits ; IL24 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Ubiquitination at Lys-122 promotes proteasomal degradation. [UniProt]



ARG81900 Mouse IL24 ELISA Kit standard curve image

ARG81900 Mouse IL24 ELISA Kit results of a typical standard run with optical density reading at 450 nm.