

## ARG81805 Mouse IL31 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81805-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81805-002	Standard	2 X 10 ng/vial	4°C
ARG81805-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81805-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81805-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81805-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81805-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81805-008	25X Wash buffer	20 ml	4°C
ARG81805-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81805-010	STOP solution	10 ml (Ready to use)	4°C
ARG81805-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81805 Mouse IL31 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL31 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	IL31
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: 5.6%; Inter-Assay CV: 6.3%
Alternate Names	IL-31; Interleukin-31

## Application Instructions

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Assay Time ~ 5 hours

## Properties

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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.

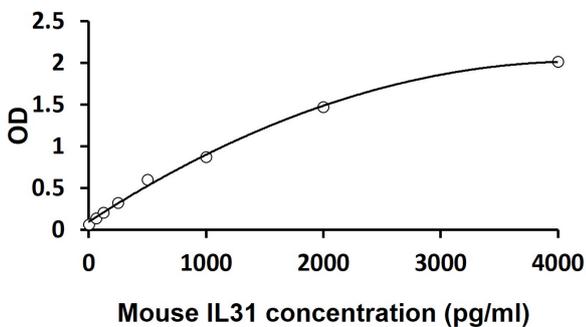
## Bioinformation

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Gene Symbol	IL31
Gene Full Name	interleukin 31
Background	IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar 2008]
Function	Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR. IL31 may function in skin immunity. [UniProt]
Highlight	Related products: <a href="#">IL31 antibodies</a> ; <a href="#">IL31 ELISA Kits</a> ; <a href="#">IL31 recombinant proteins</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>

## Images

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ARG81805 Mouse IL31 ELISA Kit standard curve image

ARG81805 Mouse IL31 ELISA Kit results of a typical standard run with optical density reading at 450 nm.