

ARG81903 Mouse IL34 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81903-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81903-002	Standard	2 X 10 ng/vial	4°C
ARG81903-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81903-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81903-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81903-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81903-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81903-008	25X Wash buffer	20 ml	4°C
ARG81903-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81903-010	STOP solution	10 ml (Ready to use)	4°C
ARG81903-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81903 Mouse IL34 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IL34 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	IL34
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: 5.8%; Inter-Assay CV: 7.0%
Alternate Names	IL-34; Interleukin-34; C16orf77

Application Instructions

Assay Time	~ 5 hours
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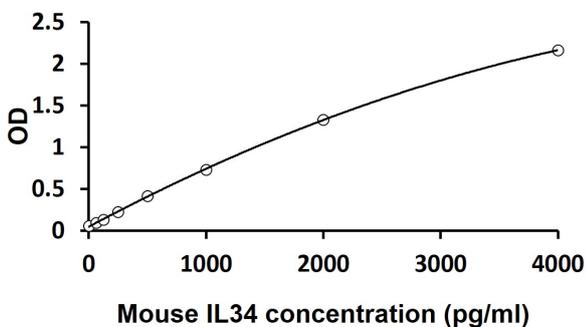
Properties

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	IL34
Gene Full Name	interleukin 34
Background	Interleukin-34 is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R; MIM 164770) (Lin et al., 2008 [PubMed 18467591]).[supplied by OMIM, May 2008]
Function	Cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. Promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. Plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1. [UniProt]
Highlight	Related products: IL34 ELISA Kits ; IL34 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81903 Mouse IL34 ELISA Kit standard curve image

ARG81903 Mouse IL34 ELISA Kit results of a typical standard run with optical density reading at 450 nm.