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ARG82355
Mouse METRNL ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82355-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82355-002	Standard	2 X 10 ng/vial	4°C
ARG82355-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82355-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82355-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82355-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82355-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82355-008	25X Wash buffer	20 ml	4°C
ARG82355-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82355-010	STOP solution	10 ml (Ready to use)	4°C
ARG82355-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82355 Mouse METRNL ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse METRNL in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	METRNL
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.9% Inter-Assay CV: 6.4%

Alternate Names	Meteorin-like protein; Subfatin

Application Instructions

Assay Time	~ 5 hours

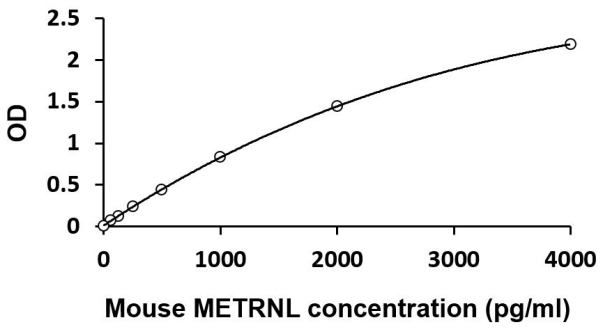
Properties

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	METRNL
Gene Full Name	meteorin, glial cell differentiation regulator-like
Function	Hormone induced following exercise or cold exposure that promotes energy expenditure. Induced either in the skeletal muscle after exercise or in adipose tissue following cold exposure and is present in the circulation. Able to stimulate energy expenditure associated with the browning of the white fat depots and improves glucose tolerance. Does not promote an increase in a thermogenic gene program via direct action on adipocytes, but acts by stimulating several immune cell subtypes to enter the adipose tissue and activate their prothermogenic actions. Stimulates an eosinophil-dependent increase in IL4 expression and promotes alternative activation of adipose tissue macrophages, which are required for the increased expression of the thermogenic and anti-inflammatory gene programs in fat. Required for some cold-induced thermogenic responses, suggesting a role in metabolic adaptations to cold temperatures (By similarity). [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. [UniProt]

Images



ARG82355 Mouse METRNL ELISA Kit standard curve image

ARG82355 Mouse METRNL ELISA Kit results of a typical standard run with optical density reading at 450 nm.