

## ARG81872 Rat ADAM12 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81872-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81872-002	Standard	2 X 10 ng/vial	4°C
ARG81872-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81872-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81872-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81872-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81872-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81872-008	25X Wash buffer	20 ml	4°C
ARG81872-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81872-010	STOP solution	10 ml (Ready to use)	4°C
ARG81872-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81872 Rat ADAM12 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat ADAM12 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	ADAM12
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6%; Inter-Assay CV: 6.1%
Alternate Names	MCMP; ADAM 12; MCMPLtna; EC 3.4.24.-; Disintegrin and metalloproteinase domain-containing protein 12; Meltrin-alpha; MLTN; MLTNA; CAR10; ADAM12-OT1

## Application Instructions

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Assay Time	~ 5 hours
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## Properties

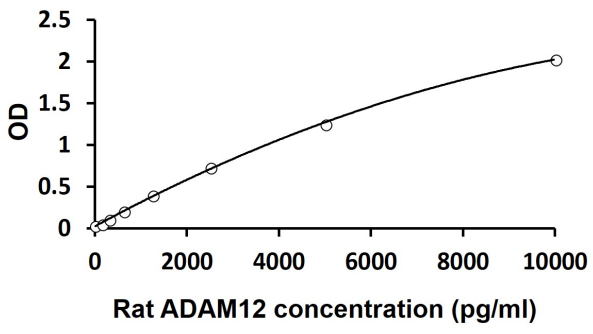
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	ADAM12
Gene Full Name	ADAM metalloproteinase domain 12
Background	This gene encodes a member of a family of proteins that are structurally related to snake venom disintegrins and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Expression of this gene has been used as a maternal serum marker for pre-natal development. Alternative splicing results in multiple transcript variants encoding different isoforms. Shorter isoforms are secreted, while longer isoforms are membrane-bound form. [provided by RefSeq, Jan 2014]
Function	Involved in skeletal muscle regeneration, specifically at the onset of cell fusion. Also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors (By similarity). [UniProt]
Highlight	Related products: <a href="#">ADAM antibodies</a> ; <a href="#">ADAM ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	The precursor is cleaved by a furin endopeptidase. [UniProt]



ARG81872 Rat ADAM12 ELISA Kit standard curve image

ARG81872 Rat ADAM12 ELISA Kit results of a typical standard run with optical density reading at 450 nm.