

ARG82087 Mouse Prorenin / Renin (total) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82087-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82087-002	Standard	2 X 10 ng/vial	4°C
ARG82087-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82087-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82087-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82087-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82087-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82087-008	25X Wash buffer	20 ml	4°C
ARG82087-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82087-010	STOP solution	10 ml (Ready to use)	4°C
ARG82087-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82087 Mouse Prorenin / Renin (total) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Prorenin / Renin (total) 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	Prorenin / Renin (total)
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: 6.1%; Inter-Assay CV: 6.9%
Alternate Names	EC 3.4.23.15; Angiotensinogenase; Ren-1; D19352; Ren1d; Ren; Rnr; Rn-1; Renin-1; Ren-A; Ren1c; Kidney renin

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	Ren1
Gene Full Name	renin 1 structural
Function	Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. [UniProt]
Highlight	Related products: Renin antibodies ; Renin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted. Membrane. Note=Associated to membranes via binding to ATP6AP2. [UniProt]

Images

