

ARG82531 Human Renalase ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82531-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82531-002	Standard	2 X 10 ng/vial	4°C
ARG82531-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82531-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82531-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82531-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82531-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82531-008	25X Wash buffer	20 ml	4°C
ARG82531-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82531-010	STOP solution	10 ml (Ready to use)	4°C
ARG82531-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82531 Human Renalase ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Renalase in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Renalase
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: 4.3% Inter-Assay CV: 6.6%

Alternate Names alpha-NAD; MAO-C; Monoamine oxidase-C; EC 1.6.3.5; RENALASE; P; C10orf59; Renalase

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 RNLS

Gene Full Name renalase, FAD-dependent amine oxidase

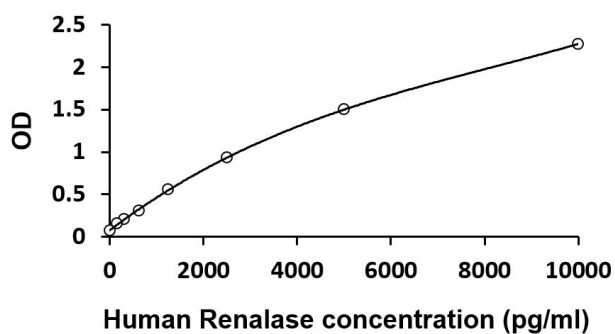
Background Renalase is a flavin adenine dinucleotide-dependent amine oxidase that is secreted into the blood from the kidney (Xu et al., 2005 [PubMed 15841207]).[supplied by OMIM, Mar 2008]

Function Catalyzes the oxidation of the less abundant alpha-NAD(P)H isoform to form beta-NAD(P)(+). The enzyme hormone is secreted by the kidney, and circulates in blood and modulates cardiac function and systemic blood pressure. Lowers blood pressure in vivo by decreasing cardiac contractility and heart rate and preventing a compensatory increase in peripheral vascular tone, suggesting a causal link to the increased plasma catecholamine and heightened cardiovascular risk. High concentrations of catecholamines activate plasma renalase and promotes its secretion and synthesis. [UniProt]

Highlight Related products:
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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Secreted. [UniProt]

Images



ARG82531 Human Renalase ELISA Kit standard curve image

ARG82531 Human Renalase ELISA Kit results of a typical standard run with optical density reading at 450 nm.