

Human Renalase ELISA Kit | RNLS elisa kit

Human Renalase PicoKine ELISA Kit

CATALOG #
AAA125214

REACTIVITY
Human

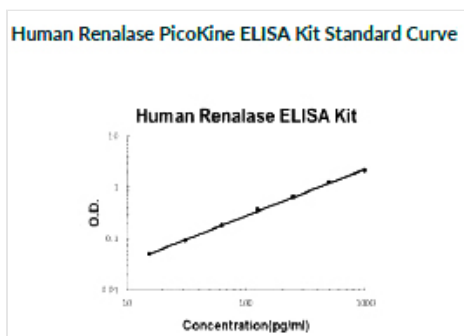
PRODUCT SYNONYMS

Renalase; Human Renalase PicoKine ELISA Kit; Human Renalase; renalase; FAD dependent amine oxidase; Monoamine oxidase-C; MAO-C; RNLS; C10orf59; RNLS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human RNLS
Sequence Length	342
Samples	Cell culture supernates, serum and plasma (heparin)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RNLS elisa kit	Principle of the Assay: The Picokine™ Human RNLS Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human RNLS with a 96-well strip plate that is pre-coated with antibody specific for RNLS. The detection antibody is a biotinylated antibody specific for RNLS. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human RNLS with immunogen: Expression system for standard: E.coli, Immunogen sequence: A18-I342. The kit is analytically validated with ready to use reagents. To measure Human RNLS, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human RNLS in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human RNLS in the sample.!!Background/Introduction: Renalase, FAD-dependent amine oxidase is an enzyme that in humans is encoded by the RNLS gene. It is mapped to 10q23.31. Renalase is a flavin adenine dinucleotide-dependent amine oxidase that is secreted into the blood from the kidney. The renalase protein consists of a putative secretory signal peptide (SignalP score of 0.4), a flavin adenine dinucleotide (FAD)-binding region, and an oxidase domain. At least four alternative splicing isoforms have been identified in humans (hRenalase1 to hRenalase4). Only hRenalase1 is detected in human blood samples, which means that hRenalase2 to 4 probably have different functions than hRenalase1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	237649117
NCBI GeneID	55328
NCBI Accession #	NP_001026879.2
NCBI GenBank Nucleotide #	NP_001026879.2
UniProt Accession #	Q5VYX0
NCBI Official Full Name	renalase isoform 1
NCBI Official Synonym Full Names	renalase, FAD dependent amine oxidase
NCBI Official Symbol	RNLS
NCBI Official Synonym Symbols	C10orf59; RENALASE
NCBI Protein Information	renalase
UniProt Protein Name	Renalase
UniProt Gene Name	RNLS
UniProt Synonym Gene Names	C10orf59; MAO-C
UniProt Entry Name	RNLS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rnls-human-elisa-kits/renalase/125214>