

Rat chromosome 10 open reading frame 59 ELISA Kit | C10orf59 elisa kit

Rat Renalase/ Monoamine Oxidase-C, RNLS/ MAO-C ELISA Kit

CATALOG #
AAA81001

REACTIVITY
Rat

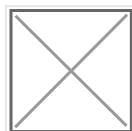
PRODUCT SYNONYMS

chromosome 10 open reading frame 59; Rat Renalase/ Monoamine Oxidase-C; RNLS/ MAO-C ELISA Kit; Rat Renalase/ Monoamine Oxidase-C (RNLS/ MAO-C) ELISA Kit; C10orf59; FLJ11218; RENALASE; renalase; C10orf59 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat RNLS. No significant cross-reactivity or interference between rat RNLS and analogues was observed.
Sequence Length	342
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	62.5 ng/ml -4000 ng/ml.
Sensitivity	The minimum detectable dose of rat RNLS is typically less than 15.6 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C10orf59 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for RNLS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RNLS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RNLS is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RNLS bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	237649117
NCBI GeneID	55328
NCBI Accession #	NP_001026879.2
NCBI GenBank Nucleotide #	NM_001031709.2
UniProt Accession #	Q5VYX0; Q9BS33; Q9NUP8
Molecular Weight	37,847 Da
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; MAO-C; monoamine oxidase-C; alpha-NAD(P)H oxidase/anomerase
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.

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Online datasheet: <https://stage.aaabiotech.com/c10orf59-rat-elisa-kits/chromosome-10-open-reading-frame-59/81001>