

Rat Neprilysin ELISA Kit | Mme elisa kit

Rat Neprilysin ELISA Kit

CATALOG #
AAA101642

REACTIVITY
Rat

PRODUCT SYNONYMS

Neprilysin; Rat Neprilysin ELISA Kit; Mme/CALLA/CD10/Enkephalinase/Leu-19/MME/Neutral Endopeptidase 24.11/NKH1/Atriopeptidase/atriopeptidase/CALLA membrane metallo-endopeptidase (neutral endopeptidase; enkephalinase)/CD10 antigen/CD10/CD10 membrane metallo-endopeptidase variant 1/Common acute lymphocytic leukemia antigen/Enkephalinase/enkephalinase/EPN/membrane metallo-endopeptidase/membrane metallo-endopeptidase variant 2/NEP membrane metallo-endopeptidase (neutral endopeptidase; enkephalinase; CALLA/neprilysin/Neutral endopeptidase/Neutral endopeptidase 24.11/SFE/Skin fibroblast elastase; Mme elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Mme. No significant cross-reactivity or interference between Mme and analogues was observed.
Sequence Length	750
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mme were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mme were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a Mme ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.033	0.126	0.247	0.377	0.679	1.105	1.782	2.501

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mme elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mme antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mme antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mme amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mme can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386782299
NCBI GeneID	707667
NCBI Accession #	NP_001247743.1
NCBI GenBank Nucleotide #	NM_001260814.1
NCBI Official Full Name	neprilysin
NCBI Official Symbol	MME
NCBI Official Synonym Symbols	neprilysin
NCBI Protein Information	neprilysin

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/mme-rat-elisa-kits/neprilysin/101642>