



# Rat Neprilysin(MME) ELISA kit

<b>Product Code</b>	CSB-EL014653RA
<b>Abbreviation</b>	MME
<b>Target Name</b>	membrane metallo-endopeptidase
<b>Uniprot No.</b>	P07861
<b>Alias</b>	CALLA, CD10, DKFZp686O16152, MGC126681, MGC126707, NEP, atriopeptidase common acute lymphocytic leukemia antigen enkephalinase membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase) m
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	47 pg/mL-3000 pg/mL
<b>Sensitivity</b>	11.75 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Others
<b>Gene Names</b>	Mme
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich

**Description**

This Rat MME ELISA Kit was designed for the quantitative measurement of Rat MME protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 47 pg/mL-3000 pg/mL and the sensitivity is 11.75 pg/mL.

**Target Details**

This gene encodes a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). This protein is present on leukemic cells of pre-B phenotype, which represent 85% of cases of ALL. This protein is not restricted to leukemic cells, however, and is found on a variety of normal tissues. It is a glycoprotein that is particularly abundant in kidney, where it is present on the brush border of proximal tubules and on glomerular epithelium. The protein is a neutral endopeptidase that cleaves peptides at the amino side of hydrophobic residues and inactivates several peptide hormones including glucagon, enkephalins, substance P, neurotensin, oxytocin, and bradykinin. This gene, which encodes a 100-kD type II transmembrane glycoprotein, exists in a single copy of greater



than 45 kb. The 5 untranslated region of this gene is alternatively spliced, resulting in four separate mRNA transcripts. The coding region is not affected by alternative splicing.

## Product 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 (Precision between assays): CV%<10%**

Three samples of known concentration were tested in twenty assays to assess.

## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of rat MME in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	92
	Range %	89-96
1:2	Average %	96
	Range %	91-103
1:4	Average %	98
	Range %	93-101
1:8	Average %	95
	Range %	90-99

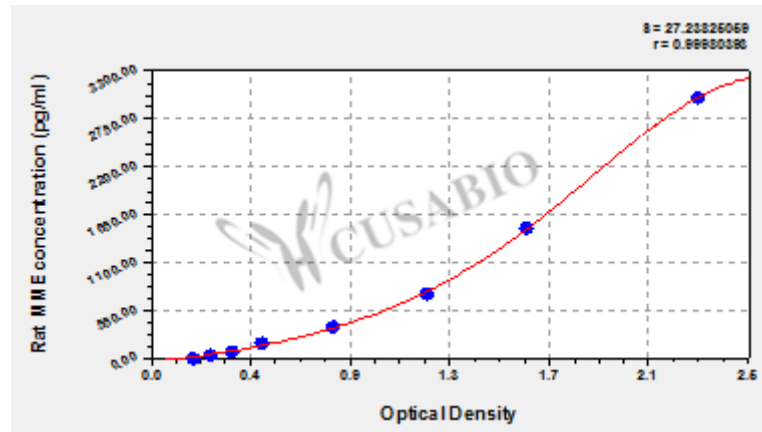
## Recovery

The recovery of rat MME spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	92	89-96
EDTA plasma (n=4)	98	93-103

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
3000	2.256	2.345	2.301	2.104
1500	1.634	1.536	1.585	1.388
750	1.128	1.214	1.171	0.974
375	0.774	0.787	0.781	0.584
187.5	0.479	0.482	0.481	0.284
94	0.357	0.365	0.361	0.164
47	0.268	0.269	0.269	0.072
0	0.195	0.199	0.197	?

## Msds

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    "filename": "MSDS"
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