

## Datasheet for ABIN6720269

### MME ELISA Kit

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#### Overview

Quantity:	1 kit
Target:	MME
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	93.7 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.7 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Mouse Neprilysin - CD10 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse CD10. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target:	MME
Alternative Name:	Neprilysin/CD10 ( <a href="#">MME Products</a> )
Background:	<p>Synonyms: Atriopeptidase, CALLA, CD10, CD10 antigen, Common acute lymphocytic leukemia antigen, Enkephalinase, EPN, gp100, Membrane metallo endopeptidase, Membrane metallo endopeptidase variant 1, Membrane metallo endopeptidase variant 2, Membrane metalloendopeptidase, Membrane metalloendopeptidase neutral endopeptidase enkephalinase, Membrane metalloendopeptidase variant 1, Membrane metalloendopeptidase variant 2, NEP, NEP_HUMAN, Neprilysin, Neutral endopeptidase, SFE, Skin fibroblast elastase</p> <p>Background: Neprilysin, also known as membrane metallo-endopeptidase, neutral endopeptidase(NEP), CD10, and common acute lymphoblastic leukemia antigen(CALLA), is a zinc-dependent metalloprotease enzyme that degrades a number of small secreted peptides, most notably the amyloid beta peptide whose abnormal misfolding and aggregation in neural tissue has been implicated as a cause of Alzheimer's disease, this gene is localized to human chromosome 3 by study of somatic cell hybrids and regionalized the location to 3q21-q27 by in situ hybridization. By cDNA transfection analysis, Neprilysin is confirmed as a functional neutral endopeptidase of the type that has previously been called enkephalinase. Neprilysin has also been called atriopeptidase. Atriopeptidase specifically degrades atrial natriuretic factor. A specific enzyme inhibitor was developed and reported that it had effects similar to those of low-dose ANF infusion. These effects include diuresis, natriuresis, vasodilatation, and suppression of the renin-angiotensin-aldosterone system.</p>
Gene ID:	17380
NCBI Accession:	<a href="#">NP_001276391</a>
UniProt:	<a href="#">Q61391</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Regulation of Systemic Arterial Blood Pressure by Hormones</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Application Notes:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/mL mouse CD10 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CD10 standard solution and each sample be measured in duplicate.
Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: Y52-W750
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

Storage:	4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiry Date:	12 months