



## MME peptide (DAG-P1463)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Antigen Description

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. [provided by RefSeq, Jul 2008]

#### Conjugate

Unconjugated

#### Sequence Similarities

Belongs to the peptidase M13 family.

#### Preservative

None

#### Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

#### Gene Name

[MME membrane metallo-endopeptidase \[ Homo sapiens \(human\) \]](#)

#### Official Symbol

MME

#### Synonyms

MME; membrane metallo-endopeptidase; NEP; SFE; CD10; CALLA; neprilysin; enkephalinase; atriopetidase; neprilysin-390; neprilysin-411; skin fibroblast elastase; neutral endopeptidase 24.11; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant

2; common acute lymphocytic leukemia antigen; membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase); membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10);

Entrez Gene ID	<a href="#">4311</a>
mRNA Refseq	<a href="#">NM_000902.3</a>
Protein Refseq	<a href="#">NP_000893.2</a>
UniProt ID	P08473
Chromosome Location	3q25.2
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Metabolism of Angiotensinogen to Angiotensins, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Peptide hormone metabolism, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protei
Function	endopeptidase activity; endopeptidase activity; metalloendopeptidase activity; peptide binding; protein binding; zinc ion binding;