



# MMEL1 Monoclonal Antibody

Catalog No	BYmab-06999
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	MMEL1 MELL1 MMEL2 NEP2
Protein Name	Membrane metallo-endopeptidase-like 1 (EC 3.4.24.11) (Membrane metallo-endopeptidase-like 2) (NEP2(m)) (Neprilysin II) (NEPII) (Neprilysin-2) (NEP2) (NL2) [Cleaved into: Membrane metallo-endopeptidase
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	MMEL1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	85kD
Cell Pathway	Membrane; Single-pass type II membrane protein. Secreted. A secreted form produced by proteolytic cleavage also exists. .
Tissue Specificity	Predominantly expressed in testis. Weakly expressed in brain, kidney and heart.
Function	catalytic activity:Preferential cleavage of polypeptides between hydrophobic residues, particularly with Phe or Tyr at P1'.cofactor:Binds 1 zinc ion per subunit.,enzyme regulation:Inhibited by thiorphan and phosphoramidon.,function:Metalloprotease involved in sperm function, possibly by modulating the processes of fertilization and early embryonic development. Degrades a broad variety of small peptides with a preference for peptides shorter than 3 kDa containing neutral bulky aliphatic or aromatic amino acid residues. Shares the same substrate specificity with MME and cleaves peptides at the same amide bond.,PTM:N-glycosylated.,similarity:Belongs to the peptidase M13 family.,subcellular location:A secreted form produced by proteolytic cleavage also

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**Background**

The protein encoded by this gene is a member of the neutral endopeptidase (NEP) or membrane metallo-endopeptidase (MME) family. Family members play important roles in pain perception, arterial pressure regulation, phosphate metabolism and homeostasis. This protein is a type II transmembrane protein and is thought to be expressed as a secreted protein. This gene is expressed mainly in testis with weak expression in the brain, kidney, and heart. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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