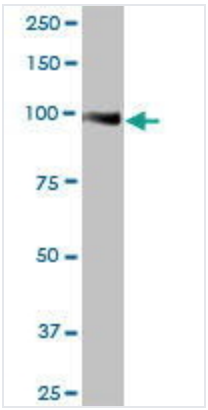
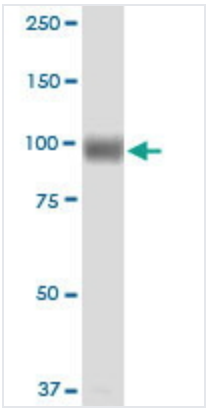
MME Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

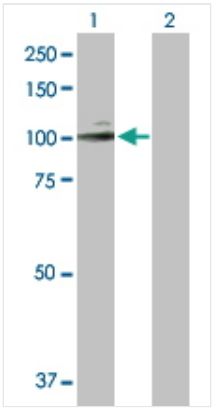
Product Name	MME, Polyclonal Antibody
Full Product Name	MME (EPN, Neprilysin, Atriopeptidase, Common Acute Lymphocytic Leukemia Antigen, Enkephalinase, Neutral Endopeptidase 24.11, Skin Fibroblast
Product Gene Name	anti-MME antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human MME.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	Full length human MME, aa1-750 (AAI01659.1).
Immunogen Sequence	MGKSESQMDITDINTPKPKKKQRWTPLEISLSVLVLLLTIIAVTMIALYATYDDGICKSSDCIKSAARLIQNMDATTEPCTDFFKYACGGWLKRNVIPETSSRY
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-MME antibody	Antibodies; Matrix Metalloproteinases
Applications Tested/Suitable for anti-MME antibody	Western Blot (WB)
Application Notes for anti-MME antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-MME antibody	This gene encodes a common acute lymphocytic leukemia antigen that is an important cell surface marker in the identification of human acute lymphoc
Other Notes	Small volumes of anti-MME antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for MME purchase	MBS6385578 is an antibody targeting MME. Also known as MME (EPN, Neprilysin, Atriopeptidase, Common Acute Lymphocytic Leukemia Antigen, En



Western Blot (WB) of anti-MME antibody
MME rabbit polyclonal antibody. Western Blot analysis of MME expression in human kidney.



Western Blot (WB) of anti-MME antibody
MME rabbit polyclonal antibody. Western Blot analysis of MME expression in MCF-7.



Western Blot (WB) of anti-MME antibody
Western Blot analysis of MME expression in transfected 293T cell line by MME polyclonal antibody. Lane 1: MME transfected lysate (85.5kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MME. It may not necessarily be applicable to this product.

NCBI GI #	75517798
NCBI GeneID	4311
NCBI Accession #	AAI01659.1
UniProt Related Accession #	P08473
GenBank Nucleotide #	NM_007287.1
NCBI Official Full Name	Membrane metallo-endopeptidase
NCBI Official Synonym Full Names	membrane metalloendopeptidase
NCBI Official Symbol	MME
NCBI Official Synonym Symbols	NEP; SFE; CD10; CALLA; CMT2T; SCA43
Protein Family	Neprilysin
NCBI Protein Information	neprilysin

NCBI Summary for MME	The protein encoded by this gene is a type II transmembrane glycoprotein and a common acute lymphocytic leukemia antigen that is an important cell surface marker in the diagnosis of human acute lymphocytic leukemia (ALL). The encoded 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. 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. [provided by RefSeq, Aug 2017]
Research Articles on MME	**1.** Study identified neutral endopeptidase (NEP) that is upregulated in human abdominal aortic aneurysm (AAA) tissue as a major enzyme that metabolizes and inactivates APLN17 peptide. NEP cleavage resistant APLN17 analog ameliorated Ang II-mediated adverse aortic remodeling and AAA formation in mouse model of AAA. Study defines a critical role of APLN in AAA formation through induction of ACE2 and protection of vascular SMCs.
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