

MME monoclonal antibody, clone CB-CALLA

Catalog # MAB8549

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against full length native MME.
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Immunogen	Native purified MME from human B-lineage leukemia cells.
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Host	Mouse
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Reactivity	Human
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Specificity	This antibody is specific to MME.
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Form	Liquid
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Isotype	IgG2b
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Recommend Usage	Flow cytometry (1 ug/10 ⁶ cells) The optimal working dilution should be determined by the end user.
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Storage Buffer	In BBS, pH8.2
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Storage Instruction	Store at 4°C.
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Applications

- Immunohistochemistry (Frozen sections)
- Immunoprecipitation
- Flow Cytometry

Gene Info — MME

Entrez GeneID	4311
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Gene Name	MME
Gene Alias	CALLA, CD10, DKFZp686O16152, MGC126681, MGC126707, NEP
Gene Description	membrane metallo-endopeptidase
Omim ID	120520
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	atriopeptidase common acute lymphocytic leukemia antigen enkephalinase membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase) membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10) membrane metallo-endopeptidase

Publication Reference

- [Neutral endopeptidase modulation of septic shock.](#)

Lu B, Gerard NP, Kolakowski LF Jr, Bozza M, Zurakowski D, Finco O, Carroll MC, Gerard C.
The Journal of Experimental Medicine 1995 Jun; 181(6):2271.

Application: WB-Ti, Mouse, Mouse kidneys

- [Hematopoietic differentiation antigens that are membrane-associated enzymes: cutting is the key!](#)

Shipp MA, Look AT.
Blood 1993 Aug; 82(4):1052.

Pathway

- [Hematopoietic cell lineage](#)
- [Renin-angiotensin system](#)

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Brain Injuries](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)