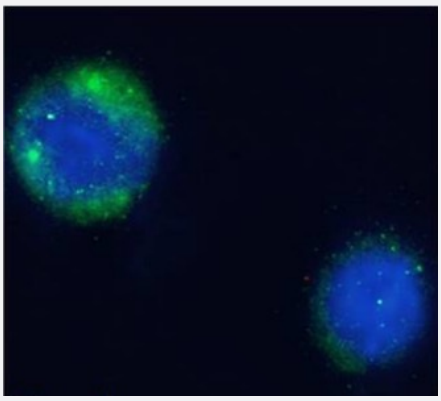
RecomAb™

MME recombinant monoclonal antibody, clone NL-1

Catalog # RAB03151 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Jurkat cells with MME recombinant monoclonal antibody, clone NL-1 (Cat # RAB03151).
Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix™ coverslips- permewith 0.15% Triton and stained with the chimeric r version of RAB03151 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/ml)- showing punctate cytoplasmic staining- likely from protein trafficking vesicles. The nuclear stain is DAPI (blue). The isotype control was stained with an anti-Fluorescein antibody (0) followed by Alexa Fluor® 488 secondary antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MME.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against acute lymphocytic leukaemia cells from a human leukaemia patie nt.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG

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Recommend Usage	Immunofluorescence Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

  Immunofluorescent staining of Jurkat cells with MME recombinant monoclonal antibody, clone NL-1 (Cat # RAB03151). Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix™ coverslips- permewith 0.15% Triton and stained with the chimeric r version of RAB03151 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (1 ug/ml)- showing punctate cytoplasmic staining- likely from protein trafficking vesicles. The nuclear stain is DAPI (blue). The isotype control was stained with an anti-Fluorescein antibody (0) followed by Alexa Fluor® 488 secondary antibody.

- Immunoprecipitation

- Western Blot

Gene Info — MME

Entrez GeneID	4311
Gene Name	MME
Gene Alias	CALLA, CD10, DKFZp686O16152, MGC126681, MGC126707, NEP
Gene Description	membrane metallo-endopeptidase
Omim ID	120520
Gene Ontology	Hyperlink

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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

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

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- Osteoporosis

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