

Product datasheet for **SM3006R**

CD10 (MME) Mouse Monoclonal Antibody [Clone ID: MEM-78]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-78
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	NALM-6 human pre-B cell line
Specificity:	The antibody reacts with CD10 antigen (CALLA - Common acute lymphatic leukemia antigen), a 100 kDa type II integral membrane protein.
Formulation:	Phosphate buffered saline (PBS) solution containing 15mM sodium azide Label: PE State: Liquid Ig fraction Label: Conjugated with R-Phycoerythrin under optimum conditions
Purification:	Size-exclusion chromatography
Conjugation:	PE
Storage:	Store the antibody undiluted at 4-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Should it contain a precipitate we recommend microcentrifugation before use.
Stability:	Shelf life: one year from despatch.
Gene Name:	membrane metallo-endopeptidase
Database Link:	Entrez Gene 4311 Human P08473



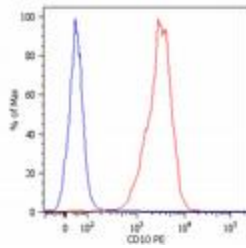
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Background:

CD10 (neutral endopeptidase NEP, common acute lymphocytic leukemia antigen CALLA, membrane metallo-endopeptidase MME, enkephalinase) is a 100-kDa cell surface zinc metalloprotease cleaving peptide bonds on the N-terminus of hydrophobic amino acids and inactivating multiple physiologically active peptides. CD10 is expressed on various normal cell types, including lymphoid precursor cells, germinal center B lymphocytes, and some epithelial cells, and its expression level serves as a marker for diagnostics of many carcinomas. CD10 is also a differentiation antigen for early B-lymphoid progenitors in the B-cell differentiation pathway and has a key role in regulation of growth, differentiation and signal transduction of many cellular systems.

Synonyms:

MME, EPN, Neutral endopeptidase 24.11, Neutral endopeptidase, NEP, Enkephalinase, Atriopeptidase, CALLA

Product images:

Surface staining of NALM-6 human pre-B cell leukemia cell line with anti-human CD10 (MEM-78) PE. Total viable cells were used for analysis.