

Product datasheet for **DM240-05**

CD10 (MME) Mouse Monoclonal Antibody [Clone ID: 56C6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	56C6
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Embedded Sections: Use 1/20-1/30 dilution in an ABC method. High temperature antigen unmasking is required prior to immunostaining of formalin fixed paraffin embedded tissue sections. <i>Incubation Time:</i> 30 minutes at RT. <i>Positive Control:</i> Tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to the external domain of the CD10 glycoprotein
Specificity:	This antibody is specific to human CD10 antigen of 100 kD, also known as common acute lymphocytic leukemia antigen (CALLA). Cellular Localization: Cell membrane.
Formulation:	State: Supernatant State: Liquid Tissue Culture Supernatant containing Sodium Azide as preservative.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C Avoid repeated freezing and thawing.
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, also known as the Common Acute Lymphocytic Leukemia Antigen (CALLA), is a cell surface enzyme with neutral metalloendopeptidase activity which inactivates a variety of biologically active peptides. CD10 is expressed on the cells of lymphoblastic, Burkitt's, and follicular germinal center lymphomas, immature B cells within adult bone marrow and on cells from patients with chronic myelocytic leukemia (CML). CD10 is also present on breast myoepithelial cells, bile canaliculi, fibroblasts, with especially high expression on the brush border of kidney and gut epithelial cells.

The CD10 antigen of 100 kD has been identified on the surface of early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue.

Synonyms:

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