

## Product datasheet for **TA320422**

### CD10 (MME) Mouse Monoclonal Antibody [Clone ID: eBioCB-CALLA (CB-CALLA)]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	eBioCB-CALLA (CB-CALLA)
Applications:	FC
Recommended Dilution:	Flow
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	membrane metallo-endopeptidase
Database Link:	<a href="#">NP_000893</a> <a href="#">Entrez Gene 4311 Human P08473</a>
Background:	<p>The eBioCB-CALLA monoclonal antibody recognizes human CD10 (CALLA, NEP, enkephalinase, Neprilysin), which is a 100 kDa, type II cell surface glycoprotein originally identified for its expression on most acute lymphoblastic leukemias (ALL). Subsequently, CD10 was shown to be the same molecule as the neutral endopeptidase (NEP), or KII-NA. CD10 is a Zn<sup>2+</sup>-dependent metallo-peptidase with endothelin, glucagon, gastrin, neurotensin and bradykinin included among its substrates. CD10 is involved in the regulation of chemotactic and inflammatory processes involving neutrophils. In B cells, CD10 regulates stromal cell-dependent B lymphopoiesis and expression has also been reported on mature B cells in germinal centres. In addition to the hematopoietic compartment, other major sites of CD10 expression are the brush border of enterocytes and renal tubules and glomeruli. There is partial blocking of the eBioCB-CALLA and MEM-78 monoclonal antibodies indicating that they recognize similar epitopes.</p>



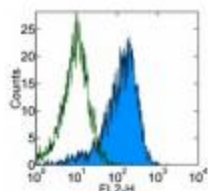
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**Synonyms:** CALLA; CD10; CMT2T; NEP; SCA43; SFE

**Protein Families:** Druggable Genome, Protease, Transmembrane

**Protein Pathways:** Alzheimer's disease, Hematopoietic cell lineage, Renin-angiotensin system

### Product images:



Staining of normal human peripheral blood cells with 0.25 ug of Mouse IgG2b Isotype Control Purified (open histogram) or 0.125 ug of Anti-Human CD10 Purified (filled histogram) followed by Anti-Mouse IgG Biotin and Streptavidin PE. Cells in the granulocyte gate were used for analysis.