

## Mouse anti-Human CD10 Monoclonal Antibody | anti-CD10 antibody

CD10 (Membrane Metalloendopeptidase)

|                               |                      |                            |                                                    |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA215087</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------|

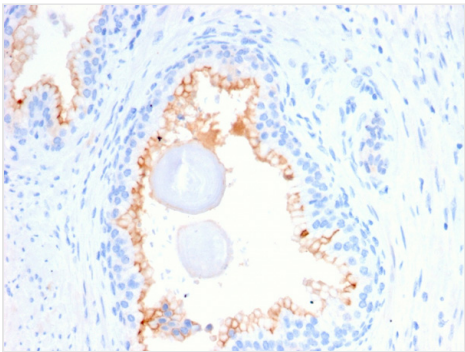
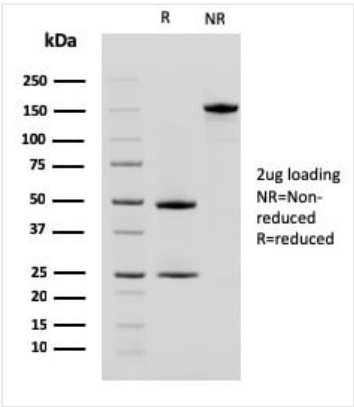
### PRODUCT SYNONYMS

CD10; Monoclonal Antibody; CD10 (Membrane Metalloendopeptidase); Atriopeptidase; Common acute lymphocytic leukemia antigen (CALLA); Enkephalinase (EPN); gp100; Membrane metalloendopeptidase (MME); Neprilysin; Neutral endopeptidase (NEP); Skin fibroblast elastase (SFE); anti-CD10 antibody

### PRODUCT SPECIFICATIONS

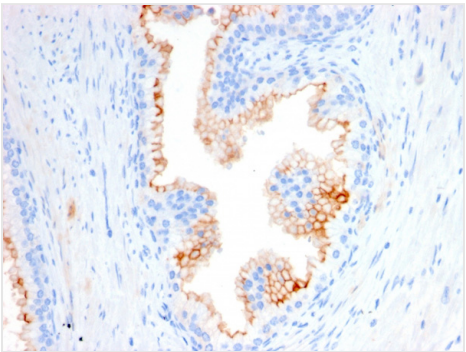
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|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                        | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clone Number                                   | MME/2580                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Specificity                                    | Recognizes a 100kDa glycoprotein, identified as CD10, also known as Common Acute Lymphocytic Leukemia Antigen (CALLA). It 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, and on cells from patients with chronic myelocytic leukemia (CML). It is also expressed on the surface of normal early lymphoid progenitor cells, immature B cells within adult bone marrow and germinal center B cells within lymphoid tissue. 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. |
| Purity/Purification                            | Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Form/Format                                    | 200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                                | 750                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for anti-CD10 antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Positive Control                               | Tonsil, small intestine or kidney (IHC).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Immunogen                                      | Recombinant human CD10 protein fragment (aa 583-740) (exact sequence is proprietary)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cellular Localization                          | Cell Surface and Cytoplasmic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Hu-chromosome Location                         | 3q25.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage                        | Antibody with azide: store at 2 to 8 degree C.<br>Antibody without azide: store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

IMAGES



**IHC (Immunohiostchemistry)**  
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CD10 Mouse Monoclonal Antibody (MME/2580).

**SDS-PAGE**  
SDS-PAGE Analysis Purified CD10 Mouse Monoclonal Antibody (MME/2580). Confirmation of Purity and Integrity of Antibody.



**IHC (Immunohistochemistry)**  
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with CD10 Mouse Monoclonal Antibody (MME/2580).

ADDITIONAL INFORMATION

|            |                                                  |
|------------|--------------------------------------------------|
| References | Suzuko M., et al. Mod Pathol 2002;15(4):397-405. |
|------------|--------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 116256329                           |
| NCBI GeneID                      | 4311                                |
| NCBI Accession #                 | NP_000893.2                         |
| NCBI GenBank Nucleotide #        | NP_000893.2                         |
| UniProt Accession #              | P08473                              |
| Molecular Weight                 | 100kDa                              |
| NCBI Official Full Name          | neprilysin isoform a                |
| NCBI Official Synonym Full Names | membrane metalloendopeptidase       |
| NCBI Official Symbol             | MME                                 |
| NCBI Official Synonym Symbols    | NEP; SFE; CD10; CALLA; CMT2T; SCA43 |
| NCBI Protein Information         | neprilysin                          |
| UniProt Protein Name             | Neprilysin                          |

|                            |                                             |
|----------------------------|---------------------------------------------|
| UniProt Gene Name          | MME                                         |
| UniProt Synonym Gene Names | EPN; CALLA; NEP; Neutral endopeptidase; SFE |
| UniProt Entry Name         | NEP_HUMAN                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd10-antibody-clone-mme-2580-immunohistochemistry-elisa/215087>