

## Rabbit anti-Human CD10 Polyclonal Antibody | anti-MME antibody

Anti-CD10 Antibody, Rabbit Polyclonal

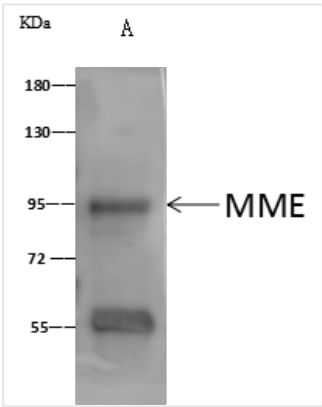
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                             |
|-----------|--------|------------|------------------------------------------|
| AAA255174 | Rabbit | Human      | Immunoprecipitation, ELISA, Western Blot |

### PRODUCT SYNONYMS

CD10; Polyclonal Antibody; Anti-CD10 Antibody; Rabbit Polyclonal; CD10/Neprilysin/MME Antibody; Rabbit PAb; Antigen Affinity Purified; membrane metallo-endopeptidase; Anti-CALLA Antibody; Anti-NEP Antibody; Anti-SFE Antibody; anti-MME antibody

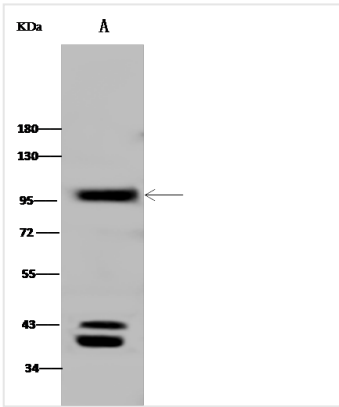
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                    | Human                                                                                                                                                                                                                                                                 |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                       | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                   | Human CD10/Neprilysin/MME                                                                                                                                                                                                                                             |
| Purity/Purification                           | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                   | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-MME antibody | IP (Immunoprecipitation), ELISA, WB (Western Blot)                                                                                                                                                                                                                    |
| Immunogen                                     | Recombinant Human CD10/Neprilysin/MME Protein                                                                                                                                                                                                                         |
| Conjugation                                   | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                   | Produced in rabbits immunized with purified, recombinant Human CD10/Neprilysin/MME (rh CD10/Neprilysin/MME). CD10/Neprilysin/MME specific IgG was purified by Human CD10/Neprilysin/MME affinity chromatography.                                                      |
| Preparation and Storage                       | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |



IP (Immunoprecipitation)

MME was immunoprecipitated using: Lane A: 0.5 mg Raji Whole Cell Lysate 4 uL anti-MME rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-MME rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 86 kDa Observed band size :95 kDa



WB (Western Blot)

Anti-MME rabbit polyclonal antibody at 1:1000 dilution Lane A: Raji Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 86 kDa Observed band size: 100 kDa

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MME antibody | The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alters the behavior of the cell. Some CD proteins do not take part in the cell signal process but have other functions such as cell adhesion. The cluster of differentiation 10 (CD10), also known as Neprilysin and neutral endopeptidase, is a member of the CD system. CD10 is a zinc-dependent metalloprotease enzyme that had the function to degrade some small secreted peptides such as the amyloid beta-peptide. It exists as a membrane-bound protein and has a high concentration in kidney and lung tissues. Mutations in the CD10 gene can induce the familial forms of Alzheimer's disease, providing strong evidence for the protein's association with the Alzheimer's disease process. CD10 is also associated with other biochemical processes. |
| References                                        | Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters. 134 (2): 104-12. Dogan, et al. (2000) CD10 and BCL-6 Expression in Paraffin Sections of Normal Lymphoid Tissue and B-Cell Lymphomas. American Journal of Surgical Pathology. 24(6): 846-52.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 116256329                      |
| NCBI GeneID                      | 4311                           |
| NCBI Accession #                 | NP_000893.2                    |
| NCBI GenBank Nucleotide #        | NM_000902.3                    |
| UniProt Accession #              | P08473; Q3MIX4; A8K6U6; D3DNJ9 |
| Molecular Weight                 | 750                            |
| NCBI Official Full Name          | neprilysin                     |
| NCBI Official Synonym Full Names | membrane metallo-endopeptidase |
| NCBI Official Symbol             | MME                            |
| NCBI Official Synonym Symbols    | NEP; SFE; CD10; CALLA          |

|                                   |                                                                                                                                                                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Protein Information</b>   | neprilysin; enkephalinase; atriopепtidase; skin fibroblast elastase; neutral endopeptidase 24.11; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; common acute lymphocytic leukemia antigen; membrane metallo-endopeptidase |
| <b>UniProt Protein Name</b>       | Neprilysin                                                                                                                                                                                                                                                      |
| <b>UniProt Gene Name</b>          | <b>MME</b>                                                                                                                                                                                                                                                      |
| <b>UniProt Synonym Gene Names</b> | EPN; CALLA; NEP; Neutral endopeptidase; SFE                                                                                                                                                                                                                     |
| <b>UniProt Entry Name</b>         | 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd10-antibody-immunoprecipitation-western-blot-elisa/255174>