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| <b>Product name:</b>  | CD10 (7C7) Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cat number:</b>    | MABN00733                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Conjugate:</b>     | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Size:</b>          | 100µL                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Clone:</b>         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration:</b> | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Host:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype:</b>       | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen:</b>     | Synthetic Peptide of CD10                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity:</b>    | Human,Rat,Mouse                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>  | IHC 1:50-1:100                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purification:</b>  | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form:</b>          | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer:</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage:</b>       | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                 |
| <b>Background:</b>    | CD10 is a transmembrane type II molecule and functions as a metallo-peptidase requiring zinc. Specifically, CD10 cleaves 1-3 amino-terminal amino acids from peptides with a preference for neutral amino acids (valine, iso-leucine, phenylalanine, leucine or alanine). Involved in the degradation of atrial natriuretic factor (ANF). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers. |