

## Recombinant CD10 (Membrane Metalloendopeptidase) Antibody

Mouse Monoclonal Antibody [Clone r56C6]

| Catalog No       | Format                                       | Size   |
|------------------|--|--------|
| 4311-MSM65-P0    | Purified Ab with BSA and Azide at 200ug/ml   | 20 ug  |
| 4311-MSM65-P1    | Purified Ab with BSA and Azide at 200ug/ml   | 100 ug |
| 4311-MSM65-P1ABX | Purified Ab WITHOUT BSA or Azide at 1.0mg/ml | 100 ug |

| Applications               | Tested Dillution | Note  |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml         | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB)          | 2-4ug/ml         |   |

### Product Details

|                               |   |
|-------------------------------|---|
| <b>Clone</b>                  | r56C6   |
| <b>Immunogen</b>              | Recombinant fragment (around aa1-750) of the human CD10 protein (exact sequence is proprietary) |
| <b>Host</b>                   | Mouse   |
| <b>Clonality</b>              | Monoclonal  |
| <b>Isotype / Light Chain</b>  | IgG1 / Kappa  |
| <b>Mol. Weight of Antigen</b> | 85.51kDa  |
| <b>Cellular Localization</b>  | Cell membrane   |
| <b>Species Reactivity</b>     | Human   |

*\*Optimal dilution for a specific application should be determined.*

### Product Images for Recombinant CD10 (Membrane Metalloendopeptidase) Antibody

#### Specificity & Comments

Thermolysin-like specificity, but is almost confined on acting on polypeptides of up to 30 amino acids (PubMed:15283675, PubMed:6208535, PubMed:6349683, PubMed:8168535). Biologically important in the destruction of opioid peptides such as Met- and Leu-enkephalins by cleavage of a Gly-Phe bond (PubMed:17101991, PubMed:6349683). Catalyzes cleavage of bradykinin, substance P and neurotensin peptides (PubMed:6208535). Able to cleave angiotensin-1, angiotensin-2 and angiotensin 1-9 (PubMed:15283675, PubMed:6349683). Involved in the degradation of atrial natriuretic factor (ANF) and brain natriuretic factor (BNP(1-32)) (PubMed:16254193, PubMed:2531377, PubMed:2972276). Displays UV-inducible elastase activity toward skin preelastic and elastic fibers (PubMed:20876573).

#### Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

#### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

#### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.