



CD10 Mouse Monoclonal Antibody

E12-097

Catalog Number: E12-097

Amount: 100µg/100µl

Clone Number: 5B8

Background: CD10 is a zinc-dependent metalloprotease enzyme that degrades a number of small secreted peptides, most notably the amyloid beta peptide whose abnormal misfolding and aggregation in neural tissue has been implicated as a cause of Alzheimer's disease. Synthesized as a membrane-bound protein, the neprilysin ectodomain is released into the extracellular domain after it has been transported from the Golgi apparatus to the cell surface. In neurons, neprilysin is regulated by the protein nicastrin, a component of the gamma secretase complex that performs a necessary step in processing amyloid precursor protein to amyloid beta.

Form of Antibody: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year. Do not aliquot the antibody.

Specificity/Sensitivity: CD10 Mouse Monoclonal Antibody detects endogenous CD10 proteins

Reactivity: H, R, M

Applications: IHC: 1:200

For Research Use Only