Mouse anti-CD10 Monoclonal Antibody

Cat. No. CAB062 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Mouse
Antigen Information	Neprilysin, also known as neutral endopeptidase (NEP), CD10, and common acute lymphoblastic leukemia antigen (CALLA), 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.
concentration	50g/0.1ml 100g/0.2ml
Application	IHC(P)1:100-500 IHC(F)1:100-500 ELISA 1:5000-10000
Storage	Lyophilized: store at 4°C. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

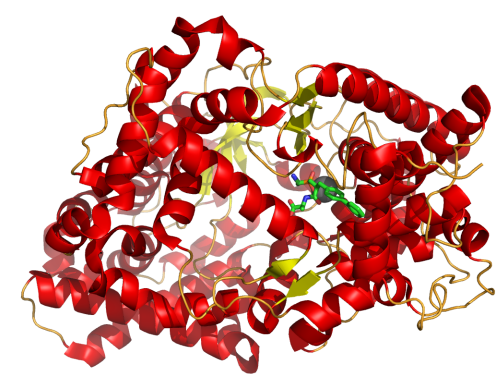
GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	MME membrane metallo-endopeptidase [Homo sapiens]
Synonyms	membrane metallo-endopeptidase; DKFZp686O16152; MME; neutral endopeptidase; enkephalinase; neprilysin; Neutral endopeptidase 24.11; MME; CALLA; MGC126681; MGC126707; NEP;CD10; Enkephalinase; Atriopeptidase; Common acute lymphocytic leukemia antigen; membrane metallo-endopeptidase variant 1; membrane metallo-endopeptidase variant 2; membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase); membrane metallo-endopeptidase (neutral endopeptidase, enkephalinase, CALLA, CD10)
Gene ID	4311
mRNA Refseq	NM_000902
Protein Refseq	NP_000893
MIM	120520
UniProt ID	P08473
Chromosome Location	3q25.1-q25.2
Pathway	Alzheimer"s disease;Hematopoietic cell lineage; Renin-angiotensin system
Function	metal ion binding; metalloendopeptidase activity; peptidase activity; protein binding; zinc ion binding

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

The structure of the neprilysin ectodomain in complex with azinc-chelatinginhibitor. The zinc atom is shown as a gray sphere and the inhibitor is shown in green. Rendering based on 1r1h. Available structures:1dmt,1r1h,1r



Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA