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37-1260: Human CD10 / Neprilysin / MME Recombinant Protein (Fc Tag)(Discontinued)

Reactivity : Human
Alternative Name : CALLA Protein, CD10 Protein, NEP Protein, SFE Protein,

Description

Source : HEK293 Cells
The cluster of differentiation (CD) system is commonly used as cell markers in immunophynotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 32 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 alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 1 (CD1), also known as Neprilysin and neutral endopeptidase, is a member of the CD system. CD1 is a zinc-dependent metalloprotease enzyme that had function to degrade a number of small secreted peptides such as the amyloid beta peptide. It exist as a membrane-bound protein and have high concentration in kidney and lung tissues. Mutations in the CD1 gene can induce the familial forms of Alzheimer's disease, providing strong evidence for the protein's association with the Alzheimer's disease process. CD1 is also associated with other biochemical processes.

Product Info

Amount :	Human CD10 / Neprilysin / MME Recombinant Protein (Fc Tag)(Discontinued) / 20 µg
Purification :	> 95 % as determined by SDS-PAGE
Content :	Formulation Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Tyr52-Trp750

Application Note

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPPGFSAFK(Dnp)-OH . The specific activity is >1000 pmoles/min/Ã Âµg.
Endotoxin :< 1.0 EU per Ã Âµg of the protein as determined by the LAL method

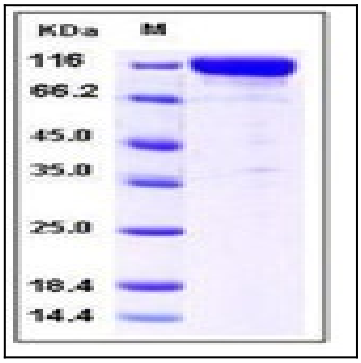

Fig 1: Human CD10 / Neprilysin / MME Recombinant Protein (Fc Tag)