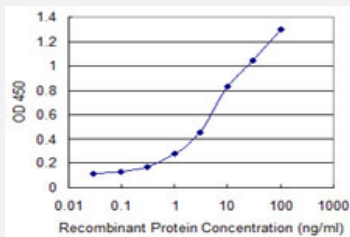


ANPEP monoclonal antibody (M05), clone 1G1

Catalog # H00000290-M05

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ANPEP is 0.1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ANPEP.
Immunogen	ANPEP (AAH58928.1, 858 a.a. ~ 967 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DATSTIISITNNVIGQGLVWDFVQSNWKKLFNDYGGGSFSFSNLIQAVTRRFSTEYELQQLEQFKKD NEETGFGSGTRALEQALEKTKANIKWVKENKEVVLQWFTENSK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (79); Rat (86)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ANPEP is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ANPEP

Entrez GeneID [290](#)

GeneBank Accession# [BC058928](#)

Protein Accession# [AAH58928.1](#)

Gene Name ANPEP

Gene Alias APN, CD13, LAP1, PEPN, gp150, p150

Gene Description alanyl (membrane) aminopeptidase

Omim ID [151530](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. In the small intestine aminopeptidase N plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Its function in proximal tubular epithelial cells and other cell types is less clear. The large extracellular carboxyterminal domain contains a pentapeptide consensus sequence characteristic of members of the zinc-binding metalloproteinase superfamily. Sequence comparisons with known enzymes of this class showed that CD13 and aminopeptidase N are identical. The latter enzyme was thought to be involved in the metabolism of regulatory peptides by diverse cell types, including small intestinal and renal tubular epithelial cells, macrophages, granulocytes, and synaptic membranes from the CNS. Human aminopeptidase N is a receptor for one strain of human coronavirus that is an important cause of upper respiratory tract infections. Defects in this gene appear to be a cause of various types of leukemia or lymphoma. [provided by RefSeq]

Other Designations OTTHUMP00000194690|aminopeptidase M|aminopeptidase N|membrane alanine aminopeptidase|microsomal aminopeptidase

Pathway

- [Glutathione metabolism](#)
- [Hematopoietic cell lineage](#)
- [Metabolic pathways](#)
- [Renin-angiotensin system](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Lung Neoplasms](#)
- [Tobacco Use Disorder](#)