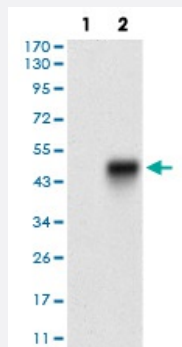


ANPEP monoclonal antibody, clone 1C7D7

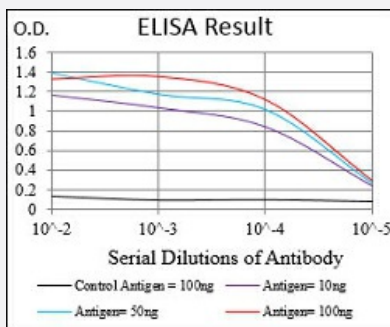
Catalog # MAB16650 Size 100 ug

Applications



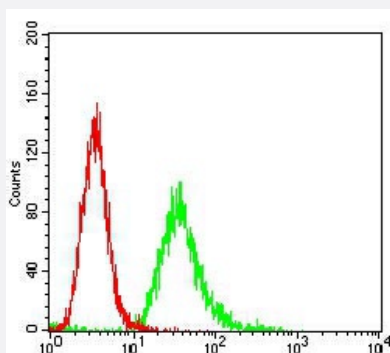
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: ANPEP-hlgGFc transfected HEK293 cell with ANPEP monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ANPEP monoclonal antibody, clone 1C7D7.



Flow Cytometry

Flow cytometric analysis of Hela cells with ANPEP monoclonal antibody (green) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human ANPEP.

Immunogen	Recombinant protein corresponding to amino acid 781-967 of human ANPEP from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	110
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Flow Cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: HEK293 cell; Lane 2: ANPEP-hlgFc transfected HEK293 cell with ANPEP monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ANPEP monoclonal antibody, clone 1C7D7.

- Flow Cytometry

Flow cytometric analysis of Hela cells with ANPEP monoclonal antibody (green) and negative control (red).

Gene Info — ANPEP

Entrez GeneID	290
Gene Name	ANPEP
Gene Alias	APN, CD13, LAP1, PEPN, gp150, p150

Gene Description	alanyl (membrane) aminopeptidase
Omim ID	151530
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)