

Mouse Monoclonal Antibody to ANPEP

Catalogue Number	sAP-1078
Target Molecule	<p>Name: ANPEP</p> <p>Aliases: APN; CD13; LAP1; P150; PEPN; GP150</p> <p>MW: 110kDa</p> <p>Entrez Gene ID: 290</p>
Description	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,
Immunogen	Purified recombinant fragment of human ANPEP (AA: Extra(781-967)) expressed in E. Coli.
Reactive Species	Human;
Clone	MM1C7D7;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Br J Cancer. 2013 Feb 5;108(2):420-8. ; 2. Ann Surg Oncol. 2012 Jul;19 Suppl 3:S539-48.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**