ANPEP recombinant antibody

ANPEP Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279153	**HEK293F Cell**	**Human**	**Flow Cytometry, Functional Assay, Immunofluorescence, ELISA**

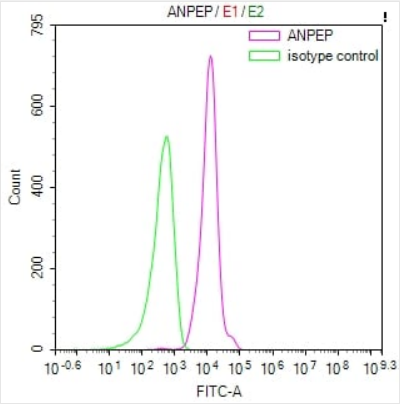
PRODUCT SYNONYMS

ANPEP; Monoclonal Recombinant Antibody; ANPEP Recombinant Monoclonal Antibody; Alanyl (membrane) aminopeptidase; Alanyl aminopeptidase; Aminopeptidase M; Aminopeptidase N; AMPN_HUMAN; AP M; AP N; AP-M; AP-N; APN; CD 13; CD13; CD13 antigen; gp150; hAPN; LAP 1; LAP1; Microsomal aminopeptidase; Myeloid plasma membrane glycoprotein CD13; p150; PEPN; ANPEP recombinant antibody

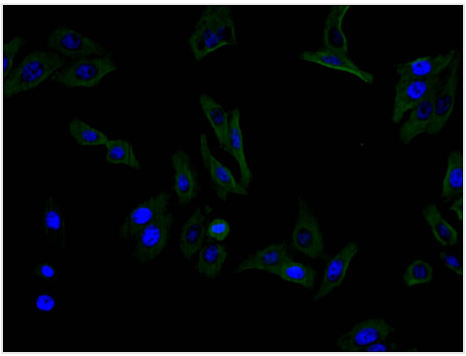
PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG
Clone Number	9C4
Purity/Purification	Affinity purified
Form/Format	Liquid; 0.03% Proclin 300, 50% glycerol, 0.01M PBS, pH 7.4.
Applicable Applications for ANPEP recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human ANPEP protein
Conjugation	Non-conjugated
Research Area	Immunology; Stem cells
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

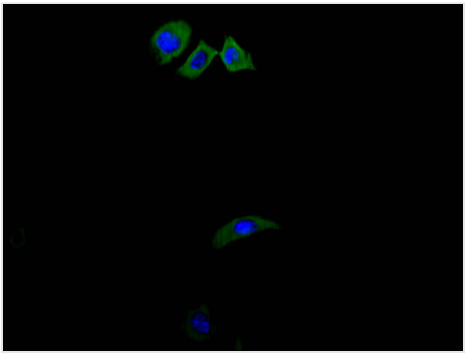
IMAGES



FCM/FACS (Flow Cytometry)
Overlay Peak curve showing 293 cells stained with AAA279153 (red line) at 1:100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*106cells) used under the same conditions. Acquisition of >10,026 events was performed.



IF (Immunofluorescence)
Immunofluorescence staining of HEPG2 cell with AAA279153 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



IF (Immunofluorescence)
Immunofluorescence staining of A549 cell with AAA279153 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

NCBI AND UNIPROT INFORMATION

NCBI GI #	157266300
NCBI GeneID	290
NCBI Accession #	NP_001141.2
NCBI GenBank Nucleotide #	NM_001150.2
UniProt Accession #	P15144; Q16728; Q6GT90; Q8IUK3; Q8IVH3; Q9UCE0
Molecular Weight	109,540 Da
NCBI Official Full Name	aminopeptidase N
NCBI Official Synonym Full Names	alanyl (membrane) aminopeptidase
NCBI Official Symbol	ANPEP
NCBI Official Synonym Symbols	APN; CD13; LAP1; P150; PEPN; GP150
NCBI Protein Information	aminopeptidase N; AP-M; AP-N; hAPN; aminopeptidase M; alanyl aminopeptidase; microsomal aminopeptidase; myeloid plasma membrane glycoprotein CD13

UniProt Protein Name	Aminopeptidase N
UniProt Gene Name	**ANPEP**
UniProt Synonym Gene Names	APN; CD13; PEPN; AP-N; hAPN; AP-M
UniProt Entry Name	AMPN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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