

## Rabbit anti-Human ANPEP Monoclonal Antibody | anti-ANPEP antibody

Anti-ANPEP antibody (26H2), IgG1 Chimeric mAb

|                               |                       |                            |                                                         |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA129467</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|-------------------------------|-----------------------|----------------------------|---------------------------------------------------------|

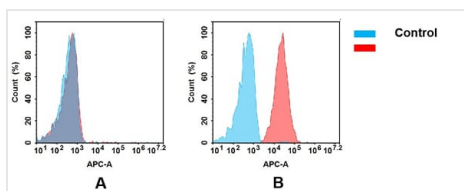
### PRODUCT SYNONYMS

ANPEP; Monoclonal Antibody; Anti-ANPEP antibody (26H2); IgG1 Chimeric mAb; APN; CD13; GP150; LAP1; P150; PEPN; anti-ANPEP antibody

### PRODUCT SPECIFICATIONS

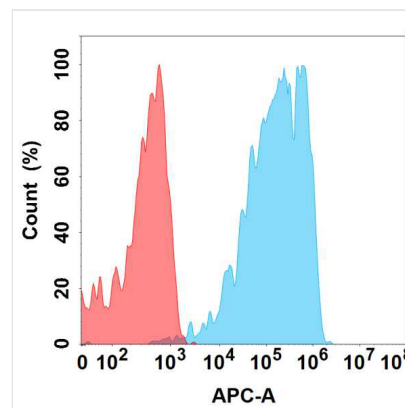
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|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                   |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                    |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                               |
| Isotype                                         | Rabbit/Human Fc chimeric IgG1                                                                                                                                                                                                                                            |
| Clone Number                                    | 26H2                                                                                                                                                                                                                                                                     |
| Purity/Purification                             | Purified from cell culture supernatant by affinity chromatography                                                                                                                                                                                                        |
| Form/Format                                     | Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                            |
| Applicable Applications for anti-ANPEP antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                |
| Preparation and Storage                         | Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |

### IMAGES



FCM/FACS (Flow Cytometry)

Figure 2. Flow cytometry analysis of antigen binding of anti-human ANPEP mAb(AAA129467).



FCM/FACS (Flow Cytometry)

Figure 1. Flow cytometry analysis with 1ug/mL Anti-ANPEP (26H2) mAb on Expi293 cells transfected with human ANPEP (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ANPEP antibody | 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. This membrane-bound zinc metalloprotease is known to serve as a receptor for the HCoV-229E alphacoronavirus as well as other non-human coronaviruses. This gene has also been shown to promote angiogenesis, tumor growth, and metastasis and defects in this gene are associated with various types of leukemia and lymphoma. [provided by RefSeq, Apr 2020] |
| Product Categories/Family for anti-ANPEP antibody   | <a href="#">Monoclonal antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 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                | <b>ANPEP</b>                                                                                                                                      |
| 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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Online datasheet: <https://stage.aaabiotech.com/monoclonal/anpep-antibody-clone-26h2-flow-cytometry-elisa/129467>