

Product datasheet for **AM12067PU-N**

CD26 (DPP4) Mouse Monoclonal Antibody [Clone ID: BA5b]

Product data:

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|-----------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | BA5b |
| Applications: | FC |
| Recommended Dilution: | Flow cytometry: 1.5 µg/ml. Positive control: human peripheral blood leukocytes. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | A human T cell clone |
| Specificity: | The antibody recognizes CD26, a 110 kDa type II membrane glycoprotein, which is a peptidase expressed on mature thymocytes, T cells (especially activated), B cells, NK cells and macrophages. |
| Formulation: | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 State: Aff - Purified State: Liquid Ig fraction |
| Concentration: | lot specific |
| Purification: | Protein A affinity chromatography (> 95% pure by SDS-PAGE) |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | dipeptidyl peptidase 4 |
| Database Link: | Entrez Gene 1803 Human P27487 |



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Background:

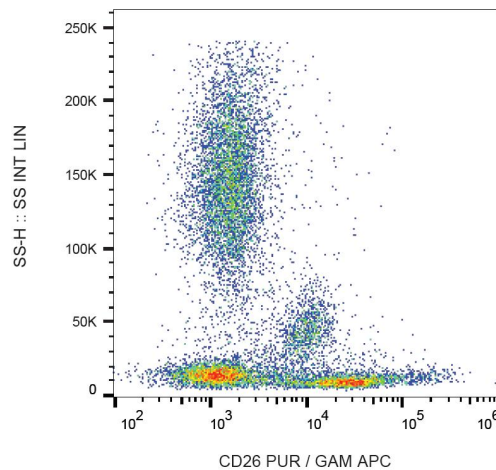
CD26, also known as dipeptidyl peptidase IV (DPP-IV), is a homodimeric cell surface serine peptidase that degrades IFN-gamma-induced cytokines, acts as a T cell costimulatory molecule, and participates in multiple immunopathological roles in leukocyte homing and inflammation. Alterations in its peptidase activity are characteristic of malignant transformation. The enzymatic activity increases dramatically with tumour grade and severity. CD26 is expressed in various blood cell types, but also e.g. in cells that are histogenetically related to activated fibroblasts. Alterations in CD26 density have been reported on circulating monocytes and CD4+ T cells during rheumatoid arthritis and systemic lupus erythematosus.

Synonyms:

ADCP2, Dipeptidyl peptidase 4, DPP IV, Dipeptidyl peptidase IV, ADABP, TP103

Protein Families:

Druggable Genome, Protease, Secreted Protein, Transmembrane

Product images:

Surface staining of human peripheral blood cells with anti-human CD26 (BA5b) purified, GAM-APC.