

# APC Anti-Human CD13 (WM15)

Catalog Number: **APC-65186**

## Basic Information

### Catalog Number:

APC-65186

### Size:

100 tests, 5 µl/test

### Source:

Mouse

### Isotype:

IgG1, kappa

### GenBank Accession Number:

BC058928

### GeneID (NCBI):

290

### ENSEMBL Gene ID:

ENSG00000166825

### UNIPROT ID:

P15144

### Full Name:

alanyl (membrane) aminopeptidase

### Calculated MW:

110 kDa

### Purification Method:

The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

### CloneNo.:

WM15

### Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

### Tested Applications:

FC

### Species Specificity:

Human, Non-human primates

## Background Information

CD13, also named as APN, ANPEP (aminopeptidase N) or PEPN, is a heavily glycosylated, ~150-240 kDa, type-II membrane, expressed by most cells of myeloid origin including monocytes, macrophages, granulocytes, and their hematopoietic precursors. It is also abundantly expressed in the brush border of epithelial cells from renal proximal tubules and small intestine, in prostatic epithelial cells, in bile duct canaliculi, in mast cells, and, in some cases, in fibroblasts and smooth muscle cells. CD13 is a multifunctional protein and plays varying roles in cell migration, cell proliferation, cell differentiation and so on. CD13 participates in angiogenesis generating and modulating angiogenic signals, and can be a marker of angiogenic vessels. CD13 is also a pan-myeloid marker, present on mature granulocytes and monocytes. (PMID: 8805662, 10098327, 18603472, 18097955, 17897790, 17888402, 21339174)

## Storage

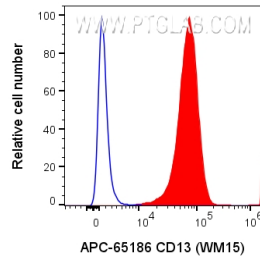
### Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

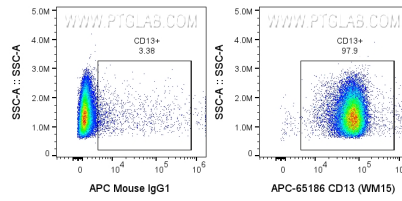
### Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

## Selected Validation Data



Human whole blood was treated with ACK lysis buffer then  $1 \times 10^6$  cells were surface stained with 5  $\mu$ l APC Anti-Human CD13 (WM15) (APC-65186) or APC Mouse IgG1 Isotype Control. Cells were not fixed. Granulocytes were gated.



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