

## Anti-Human CD13 PE

Catalog Number :05211-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** WM15

**Format/Conjugate:** PE

**Concentration:** 5 uL (0.25 ug)/test

**Reactivity:** Human

**Laser:** Blue (488nm), Yellow/Green (532-561nm)

**Peak Emission:** 578nm

**Peak Excitation:** 496nm

**Filter:** 585/40

**Brightness (1=dim,5=brightest):** 5

**Isotype:** Mouse IgG1, kappa

**Formulation:** Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

**Storage:** Product should be kept at 2-8°C and protected from prolonged exposure to light.

**Applications:** FC

### Description

The WM-15 monoclonal antibody specifically reacts with human CD13, 150-170 type II transmembrane ectoenzyme also named aminopeptidase N and gp150. It is expressed by granulocytes and monocytes, epithelial cells, and endothelial cells. CD13 plays a role in the terminal degradation of peptides, antigen processing, and chemokine cleavage, and cellular adhesion.

### Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

### References

1. Barclay, A. N., Brown, M. H., Law, S. A. K. A., McKnight, A. J., Tomlinson, M. G., van der Merwe, P. A. (1997). The leucocyte antigen factsbook. Academic Press.
2. Look, A. T., Ashmun, R. A., Shapiro, L. H., Peiper, S. C. (1989). Human myeloid plasma membrane glycoprotein CD13 (gp150) is identical to aminopeptidase N. Journal of Clinical Investigation, 83(4), 1299.
3. Favalaro, E. J., Moraitis, N., Bradstock, K., Koutts, J. (1990). Co-expression of haemopoietic antigens on vascular endothelial cells: a detailed phenotypic analysis. British journal of haematology, 74(4), 385-394.