

## Mouse Anti Human CD13 Purified

### PRODUCT INFORMATION

**Clone:** WM15  
**Other Names:** Aminopeptidase N, APN, gp150  
**Isotype:** Mouse IgG1,  $\kappa$   
**Workshop:** IV M44  
**Catalog#:** A3001/A3001-bulk  
**Reactivity:** Human, Cross-Reactivity: Chimpanzee, Baboon, Cotton-topped Tamarin  
**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

### DESCRIPTION

CD13 is a 150-170 kD type II transmembrane glycoprotein also known as aminopeptidase N, APN, and gp150. This zinc metallopeptidase is expressed as a homodimer on granulocytes, myeloid progenitors, endothelial cells, epithelial cells and subset of granular lymphoid cells. It is not expressed on platelets or erythrocytes. CD13 is thought to be involved in the metabolism of many regulatory peptides and functions in antigen processing and the cleavage of chemokines such as MIP-1. CD13 serves as the cellular receptor for Coronavirus.

### PREPARATION

The antibody was purified by affinity chromatography.

### STORAGE

The antibody solution should be stored undiluted between 2°C and 8°C.

### APPLICATION

FC, IHC

### USAGE

Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0$   $\mu\text{g}$  per million cells in 100  $\mu\text{l}$  volume. It is recommended that the reagent be titrated for optimal performance for each application.

### REFERENCES

1. Knapp W, et al. 1989. Leucocyte Typing IV. Oxford University Press. New York.
2. Saiki I, et al. 1993. Int J Cancer. 54:137. (Block)
3. Rosenzwajg M, et al. 2000. Blood 95:453. (Block)
4. Kawase M, et al. 2008. J Virol. 83:712. (Block) PubMed
5. Di Matteo P, et al. 2011. J. Histochem. Cytochem. 59:47. (IHC)

Use For Research Only