

## Product datasheet for **SM1070BT**

### CD13 (ANPEP) Mouse Monoclonal Antibody [Clone ID: WM15]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	WM15
Applications:	FC
Recommended Dilution:	Indirect immunofluorescence analysis by <b>Flow cytometry</b> .
Reactivity:	Human, Primate
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human AML cells
Specificity:	This antibody detects CD13 cell surface glycoprotein, a 150 kDa molecule expressed on granulocytes, endothelial cells, epithelial cells and myeloid progenitors.
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 Label: Biotin State: Liquid purified Ig fraction Label: Conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	alanyl aminopeptidase, membrane
Database Link:	<a href="#">Entrez Gene 290 Human P15144</a>



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**Background:**

CD13 (aminopeptidase N, APN) is a 150 kDa type II transmembrane zinc-binding ectopeptidase expressed on various cell types. This metalloprotease preferentially catalyzes removal of neutral amino acids from small peptides, thus activating or inactivating bioactive peptides. CD13 has also role in extracellular matrix degradation, antigen processing and signal transduction, is important in inflammatory responses, regulates intercellular contact, cell motility and vascularization. CD13 is involved in protection of leukemic cells against apoptosis and its expression associated with poor prognosis of carcinomas.

**Synonyms:**

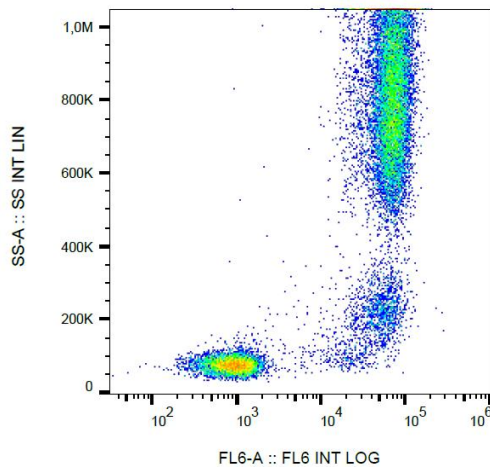
Aminopeptidase N, ANPEP, APN, PEPN

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Protease, Transmembrane

**Protein Pathways:**

Glutathione metabolism, Hematopoietic cell lineage, Metabolic pathways, Renin-angiotensin system

**Product images:**

Surface staining of human peripheral blood leukocytes with anti-CD13 (WM15) biotin, streptavidin-APC.