

### 30-1269: Anti-CD13 / Aminopeptidase N Monoclonal Antibody (Clone:WM15)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	WM15
<b>Application :</b>	FACS, IP, IHC-Fr, Functional Assay
<b>Reactivity :</b>	Human, Non-Human Primates
<b>Gene :</b>	ANPEP
<b>Gene ID :</b>	290
<b>Uniprot ID :</b>	P15144
<b>Format :</b>	Purified
<b>Alternative Name :</b>	ANPEP,APN,CD13,PEPN
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human AML cells

#### Description

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.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Flow Cytometry** *Recommended dilution:* 5 Åµg/ml

**Immunoprecipitation Immunohistochemistry (frozen sections) Functional Application** The antibody WM15 inhibits infection of cells by human coronavirus and inhibits aminopeptidase N activity of the CD13 molecule immunoprecipitates.