

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

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

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

Application Note

Flow Cytometry *Recommended dilution:* 5 μ g/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.