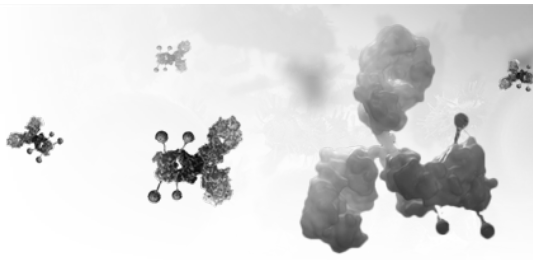

Anti-ANPEP monoclonal antibody, clone WM15 [R-PE] (CABT-45539MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse anti Human CD13 antibody, clone WM15 recognizes human CD13 also known as aminopeptidase N. CD13 is a single pass type II glycosylated integral membrane protein with a predicted molecular mass of ~110kDa and an apparent molecular mass of ~151kDa expressed by granulocytes, monocytes, fibroblasts, endothelial cells and by myeloid leukaemia cells. CD13 acts as a major cell surface receptor for group 1 coronoviruses which bind to a critical sequence encompassing amino acid residies 288-295. CD13 functions as an aminopeptidase enzyme, a metalloprotease present as both a membrane bound form and also a soluble aminopeptidase N. Mouse anti Human CD13, clone WM15 inhibits infection of cells by human coronavirus but not hepatitis C virus and inhibits aminopeptidase N activity of the CD13 molecule. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells or 100ul whole blood
Specificity	ANPEP
Immunogen	Human AML cells.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Rhesus monkey
Clone	WM15
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised

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Size	100 tests
Preservative	0.09% Sodium Azide
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ANPEP alanyl (membrane) aminopeptidase [Homo sapiens (human)]
Official Symbol	ANPEP
Synonyms	EIF5AP1; eukaryotic translation initiation factor 5A pseudogene 1; APN; CD13; LAP1; P150; PEPN; GP150; ANPEP; alanyl (membrane) aminopeptidase; aminopeptidase N; AP-M; AP-N; alanyl aminopeptidase; aminopeptidase M; hAPN; microsomal aminopeptidase; myeloid
Entrez Gene ID	290
Protein Refseq	NP_001141.2
UniProt ID	P15144
Chromosome Location	15q25-q26
Pathway	C-MYB transcription factor network; Cardiac Progenitor Differentiation; Glutathione metabolism; Hematopoietic cell lineage; Metabolic pathways;
Function	aminopeptidase activity; metallopeptidase activity; receptor activity; virus receptor activity; zinc ion binding

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