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anti-CD13 antibody (PE)

Images



Publications



Overview

Quantity:	100 tests
Target:	CD13 (ANPEP)
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD13 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Human AML cells
Clone:	WM15
Isotype:	lgG1
Specificity:	The antibody WM15 recognises an extracellular epitope of human CD13 cell surface glycoprotein, a 150 kDa molecule expressed on granulocytes, endothelial cells, epithelial cells and myeloid progenitors.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	CD13 (ANPEP)	

Target Details

rarget Details		
Alternative Name:	CD13 (ANPEP Products)	
Background:	Alanyl aminopeptidase, membrane, 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., Aminopeptidase N, APN, PEPN, ANPEP, gp150, LAP1	
Gene ID:	290	
UniProt:	P15144	
Pathways:	Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones	
Application Details		
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 μ L reagent / 100 μ L of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient fo 100 tests.	
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.	
Restrictions:	For Research Use only	
Handling		
Reconstitution:	No reconstitution is necessary.	
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Do not freeze.	
	Avoid prolonged exposure to light.	
Storage:	4 °C	

Storage Comment:

Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:

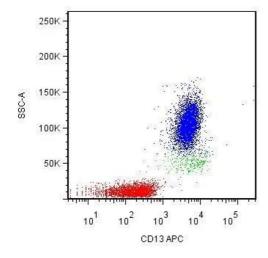
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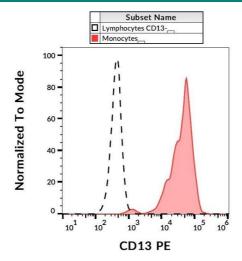
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Images



Flow Cytometry

Image 1. Surface staining of human peripheral blood leukocytes with anti-CD13 mouse monoclonal antibody WM15.



Flow Cytometry

Image 2. Surface staining of human peripheral blood leukocytes with anti-CD13 (WM15) PE.