

For Research Use Only

Anti-Human CD13 (WM15) Mouse IgG2a Recombinant Antibody, PBS Only

Catalog Number: 65633-1-PBS



Basic Information

Catalog Number:

65633-1-PBS

Size:

1mg, 2 mg/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC058928

GeneID (NCBI):

290

ENSEMBL Gene ID:

ENSG00000166825

Full Name:

alanyl (membrane) aminopeptidase

Calculated MW:

110 kDa

Purification Method:

Protein A purification

CloneNo.:

WM15

Applications

Tested Applications:

IF/ICC, FC

Species Specificity:

human

Background Information

CD13, also named as APN, ANPEP (aminopeptidase N) or PEPN, is belongs to the peptidase M1 family. CD13 is a heavily glycosylated, ~150-240 kDa, type-II membrane, expressed by most cells of myeloid origin including monocytes, macrophages, granulocytes, and their hematopoietic precursors. It is also abundantly expressed in the brush border of epithelial cells from renal proximal tubules and small intestine, in prostatic epithelial cells, in bile duct canaliculi, in mast cells, and, in some cases, in fibroblasts and smooth muscle cells. CD13 is a multifunctional protein and plays varying roles in cell migration, cell proliferation, cell differentiation and so on. CD13 participates in angiogenesis generating and modulating angiogenic signals, and can be a marker of angiogenic vessels. CD13 is also a pan-myeloid marker, present on mature granulocytes and monocytes. (PMID: 8805662, 10098327, 18603472, 18097955, 17897790, 17888402, 21339174)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

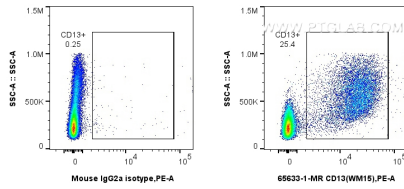
T: 4006900926

E: Proteintech-CN@ptglab.com

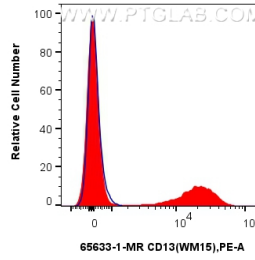
W: ptgcn.com

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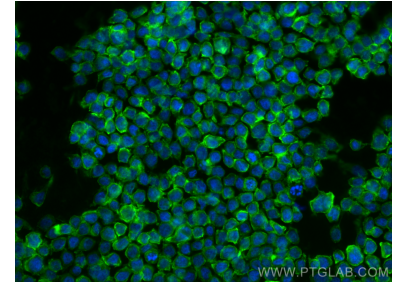
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD13 (WM15) Mouse IgG2a RecAb (65633-1-MR, Clone:WM15) and PE-conjugated Goat Anti-Mouse IgG, or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 65633-1-PBS in a different storage buffer formulation.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD13 (WM15) Mouse IgG2a RecAb (65633-1-MR, Clone: WM15) (red) and PE-conjugated Goat Anti-Mouse IgG, or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 65633-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD13 antibody (65633-1-MR, Clone: WM15) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 65633-1-PBS in a different storage buffer formulation.