À des fins de recherche uniquement

Anticorps Monoclonal anti-CD13

Numéro de catalogue:66211-1-Ig 5 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
66211-1-Ig

Taille:
150ul , Concentration: 1800 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG5976

Numéro d'acquisition GenBank:
BC058928

Identification du gène (NCBI):
290

Nom complet:
alanyl (membrane) aminopeptidase

MW calculé
110 kDa

MW observés:
150 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
2D8D11

Dilutions recommandées:
WB 1:3000-1:8000
IHC 1:5000-1:20000
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules U-937,

IHC : tissu d'amygdalite humain, tissu rénal de rat, tissu rénal de souris, tissu rénal humain

IF : tissu rénal humain,

Informations générales

CD13, also named as APN, ANPEP(aminopeptidase N) or PEPN, is belongs to the peptidase M-1 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)

Publications notables

Autrice	Pubmed ID	Journal	Application
Kelly A Servage	32382024	Sci Rep	WB
Junxia Cao	30809310	Theranostics	IHC
Junnian Wei	31792071	Mol Cell Proteomics	WB

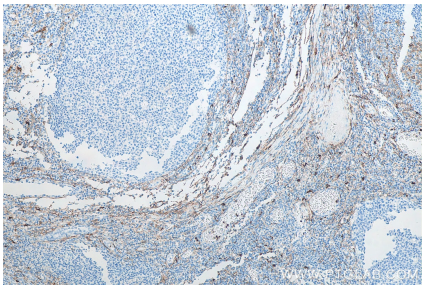
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

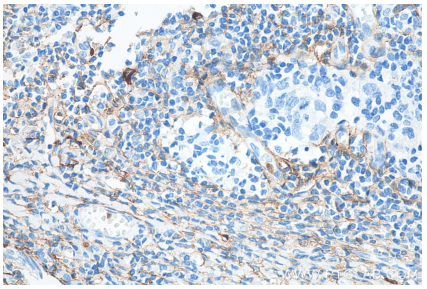
***** Les 20ul contiennent 0,1% de BSA.**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

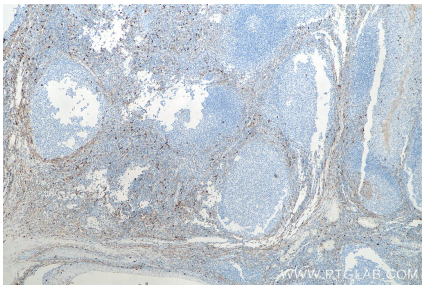
Données de validation sélectionnées



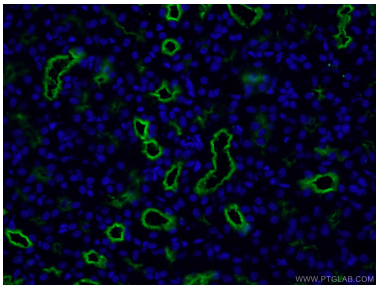
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66211-1-Ig (CD13 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



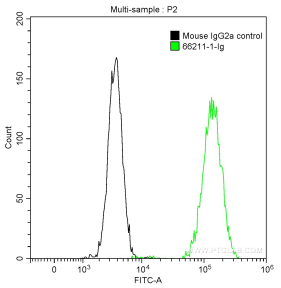
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66211-1-Ig (CD13 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



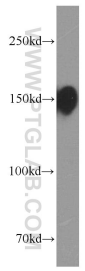
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66211-1-Ig (CD13 antibody) at dilution of 1:10000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



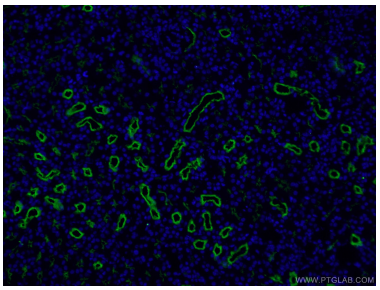
Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using 66211-1-Ig (CD13 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 U-937 cells were stained with 0.2 ug Anti-Human CD13 (66211-1-Ig, Clone:2D8D11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



U-937 cells were subjected to SDS PAGE followed by western blot with 66211-1-Ig (CD13 antibody at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using 66211-1-Ig (CD13 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).