

For Research Use Only

DPP4/CD26 Monoclonal antibody

Catalog Number: 68383-1-Ig **1 Publications**



Basic Information

Catalog Number:

68383-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

BC013329

GeneID (NCBI):

1803

UNIPROT ID:

P27487

Full Name:

dipeptidyl-peptidase 4

Calculated MW:

88 kDa

Observed MW:

110 kDa

Purification Method:

Protein G purification

CloneNo.:

2G6D11

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

IF

Species Specificity:

human, pig, rabbit

Cited Species:

human

Positive Controls:

WB : OS-RC-2 cells, HuH-7 cells, human placenta tissue, HUVEC cells, pig kidney tissue, rabbit kidney tissue, Caki-2 cells, Karpas-299 cells

IF/ICC : HuH-7 cells,

Background Information

CD26, also known as DPP4 (dipeptidyl peptidase-4), is a 110 kDa type II cell-surface glycoprotein widely expressed on T cells, activated B cells, activated NK cells and myeloid cells as well as on epithelial cells, fibroblasts, mesothelium, and endothelial cells of a variety of tissues (PMID:33777580; 26919392). It has ecto-enzyme activity in its extracellular domain and cleaves amino-terminal dipeptides with either L-proline or L-alanine at the penultimate position (PMID: 9553764). CD26 plays roles in diverse biological processes such as immunoregulation, glucose homeostasis, and tumorigenesis (PMID: 33777580).

Notable Publications

Author	Pubmed ID	Journal	Application
Hongrui Chen	39020442	Stem Cell Res Ther	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

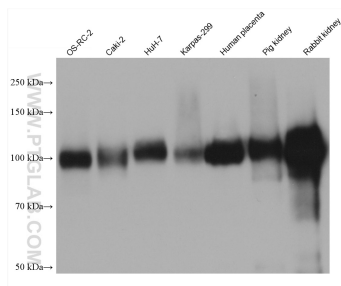
T: 4006900926

E: Proteintech-CN@ptglab.com

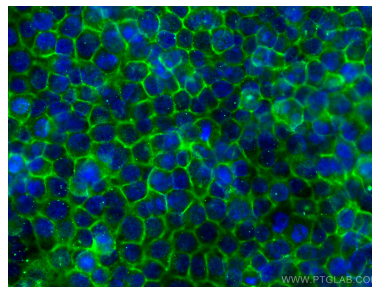
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68383-1-Ig (DPP4/CD26 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HuH-7 cells using DPP4/CD26 antibody (68383-1-Ig, Clone: 2G6D11) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).