

For Research Use Only

DPP4/CD26 Monoclonal antibody

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



Basic Information

Catalog Number: 68383-1-Ig	GenBank Accession Number: BC013329	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 1803	CloneNo.: 2G6D11
Source: Mouse	UNIPROT ID: P27487	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: dipeptidyl-peptidase 4	
	Calculated MW: 88 kDa	
	Observed MW: 110 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Cited Applications: IF	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
Species Specificity: human, pig, rabbit	IF/ICC : HuH-7 cells,
Cited Species: human	

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

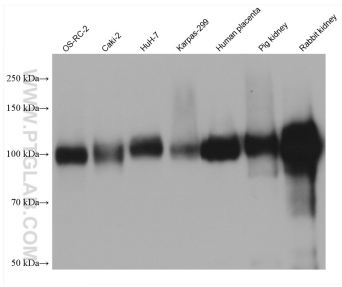
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

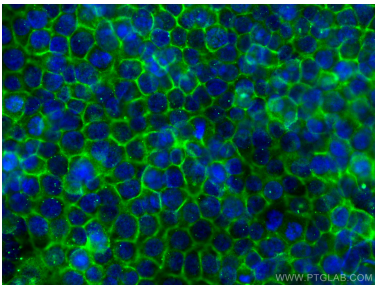
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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).