

CD26 (DPP IV / ADA-Binding Protein) Antibody

Mouse Monoclonal Antibody [Clone DPP4/7415]

Catalog No	Format	Size
1803-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1803-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1803-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

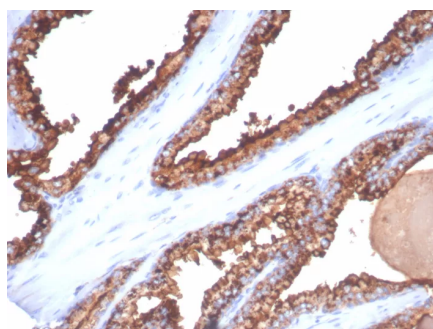
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

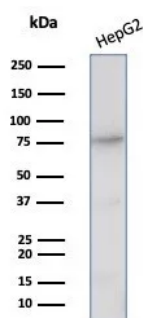
Clone	DPP4/7415
Gene Name	DPP4
Immunogen	Recombinant fragment (around aa1-200) of human DPP4 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	110kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	Human lymph nodes or tonsil.

*Optimal dilution for a specific application should be determined.

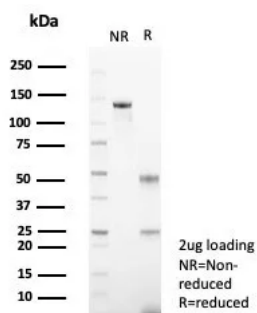
Product Images for CD26 (DPP IV / ADA-Binding Protein) Antibody



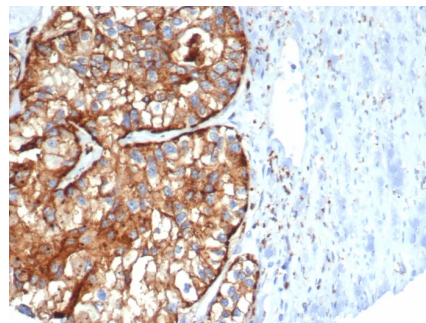
Formalin-fixed, paraffin-embedded human prostate cancer stained with CD26 Mouse Monoclonal Antibody (DPP4/7415). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Western blot analysis of HepG2 cell lysate using CD26 Mouse Monoclonal Antibody (DPP4/7415).



SDS-PAGE Analysis of Purified CD26 Mouse Monoclonal Antibody (DPP4/7415). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human kidney cancer stained with CD26 Mouse Monoclonal Antibody (DPP4/7415). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Recognizes a glycoprotein of 110kDa, identified as CD26 (Workshop VI; Code: N-L039). It is an atypical serine protease belonging to the prolyl oligopeptidase family. It is expressed on lymphocyte cells and is upregulated during T-cell activation. CD26 is also expressed on activated B cells and natural killer cells and abundantly on epithelia. CD26 is implicated in a variety of biological functions including T-cell activation, cell adhesion with extracellular matrix such as fibronectin or collagens, and in HIV infection. Cross-linking of CD26 using this antibody dramatically enhances the anti-CD3-induced IL-2 production. In Western blotting, this MAbs reacts with only glycosylated CD26, but not with the deglycosylated form. It does not prevent ADA binding to CD26.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Dendritic Cell Marker, Endothelial Cell Marker