



Rabbit Anti-DPP4 monoclonal antibody, clone KN22-53 (DCABH-2135)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	CD26
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KN22-53
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, FC
Cellular Localization	Cell membrane.
Positive Control	Mouse heart cells lysates, PC-12, Hela, human liver tissue, rat epididymis tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

BACKGROUND

Introduction

CD26 (dipeptidylpeptidase 4, adenosine deaminase complexing protein 2, ADABP, ADCP2, DPPIV, TP103) is a membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. CD26 has an essential role in immune regulation as a T cell activation molecule and a regulator of chemokine function. CD26 associates with CXCR4 and gp120 and may influence the pathophysiology of HIV infection. Adenosine deaminase (ADA) colocalizing with adenosine receptors on dendritic cells are able to interact with CD26 expressed on lymphocytes. This costimulatory signal in the immunological synapse leads to an increase in the production of the T helper 1 and proinflammatory cytokines IFN-gamma, TNF-alpha, and IL-6. CD26 plays a role in the pathogenesis and behavior of human cancers, including solid tumors and hematological malignancies. CD26-caveolin-1 interaction plays a role in the up-regulation of CD86 on TT-loaded monocytes and subsequent engagement with CD28 on T cells, leading to antigen-specific T cell activation.

Keywords

CD26 antigen;ADA-binding protein;ADABP;ADCP 2;ADCP-2;ADCP2;Adenosine deaminase complexing protein 2;CD 26;CD26;CD26 antigen 3;Dipeptidyl peptidase 4;Dipeptidyl peptidase 4 soluble form;Dipeptidyl peptidase IV;Dipeptidyl peptidase IV membrane form;Dipeptidyl peptidase IV soluble form;Dipeptidyl peptidase, intestinal;Dipeptidylpeptidase 4;Dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2);Dipeptidylpeptidase IV;DPP 4;DPP IV;DPP IV estoenzyme;DPP4;DPP4_HUMAN;DPPIV;Intestinal dipeptidyl peptidase;T cell activation antigen CD26;T-cell activation antigen CD26;TP 103;TP103 antibody