

Datasheet for ABIN6937102

anti-DPP4 antibody



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Overview

Quantity:	100 µg
Target:	DPP4
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DPP4 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (IF)

Product Details

Immunogen:	Human T cell clone
Clone:	202-36
Isotype:	IgG2b kappa
Specificity:	Recognizes a glycoprotein of 110 kDa, 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 MAb reacts with only glycosylated CD26, but not with the deglycosylated form. It does not prevent ADA binding to CD26.

Product Details

No Cross-Reactivity:	Pig (Porcine), Sheep (Ovine)
Cross-Reactivity (Details):	Human. Rat. Does not react with Pig or Sheep.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	DPP4
Alternative Name:	DPP4 (DPP4 Products)
Background:	ADA-binding protein (ADABP), Adenosine deaminase complexing protein 2 (ADCP-2), Dipeptidyl peptidase 4, Dipeptidyl peptidase 4 soluble form, Dipeptidyl peptidase IV membrane form, Dipeptidyl peptidase IV soluble form, Dipeptidyl peptidase, intestinal, Dipeptidylpeptidase 4, Dipeptidylpeptidase IV, DPP4, DPPIV, Intestinal dipeptidyl peptidase, T-cell activation antigen CD26, TP103,CD26 (DPP IV / ADA-Binding Protein) Cellular localisation: Cell Surface
Molecular Weight:	110kDa
Gene ID:	1803, 368912
UniProt:	P27487
Pathways:	Peptide Hormone Metabolism , Regulation of Leukocyte Mediated Immunity

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Frozen Only) (1-2 µg/mL for 30 minutes at RT) Optimal dilution for a specific application should be determined. Positive_Control: YT, HEP-G2 cells and lymphocytes. Lymph nodes and tonsils.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C

Handling

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months