Call us: 800-304-5357 Email: btinfo@biotium.com

Dundanat attailman

CD26 Monoclonal Mouse Antibody (DPP4/910)

Product Description

Recognizes a glycoprotein of 110 kDa, identified as CD26. 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. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors. **Stock status**: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order. **Catalog number key for antibody number 0910, Anti-CD26 (DPP4/910)**

Antibody number Antibody reactivity (target) Antibody type Host species Mouse Clonality Monoclonal Clone DPP4/910 Isotype IgG2b, kappa Molecular weight Antibody peptidase (ADABP); Adenosine deaminase complexing protein (ADABP); Adenosine deaminase (No Indenosine deaminase (Indenosine deaminase (Product attributes				
Host species Mouse	Antibody number	#0910			
Host species Mouse		CD26			
Clone DPP4/910 Isotype IgG2b, kappa Molecular weight -110 kDa Synonyms ADA-binding protein (ADABP); Adenosine deaminase complexing protein 2 (ADCP-2); Dipeptidyl peptidase 4; Dipeptidyl peptidase 4; Dipeptidyl peptidase 4; Dipeptidyl peptidase 1 W membrane form; Dipeptidyl peptidase 1 W membrane form; Dipeptidyl peptidase 1 W; Dipeptidyl peptidase 3 W; Dipeptidyl peptidase 1 W; Dipeptidyl peptidase 3 W; Dipeptidyl peptidase 1 W; Dipeptidyl peptidase 3 W; Dipeptidyl peptidase 4; Dipeptidyl peptidase 4; Dipeptidyl peptidase 1 W; Dipeptidyl peptidase 1 Peptidase 1 W; Dipeptidyl peptidase 1 W; Dipeptidyl peptidase 1 Peptidase 1 Peptidase 1 Peptidase 1 Peptidase 1 Peptidase 1 Peptidyl peptidase 1 Pe	Antibody type	Primary			
Clone DPP4/910	Host species	Mouse			
Isotype IgG2b, kappa	Clonality	Monoclonal			
Molecular weight	Clone	DPP4/910			
ADA-binding protein (ADABP); Adenosine deaminase complexing protein 2 (ADCP-2); Dipeptidy peptidase 4; Dipeptidy) peptidase 1 (ADCP-2); Dipeptidy	Isotype	IgG2b, kappa			
Adenosine deaminase complexing protein 2 (ADCP-2): Dipeptidy peptidase 4: Dipeptidyl peptidase 4: Soluble form; Dipeptidyl peptidase 1 W membrane form; Dipeptidyl peptidase 1 W soluble form activation antigen CD26; TP103 Human gene symbol DPP4 Entrez gene ID 1803 SwissProt P27487 Unigene 368912 Immunogen Recombinant human DPP4 protein Plasma membrane Human, Rat Antibody target cellular Plasma membrane Human, Rat Antibody application For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody Not recommended for FFPE, Optimal dillution and staining procedure for a specific application should be determined by user, Recommended staring concentrations for titration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 u.l. for flow cytometry, Does not react with pig or sheep, others not tested Positive control U-87 MG (Human glioblastoma astrocytoma), Ramos (Human Burkitt's lymphoma, HEP-G2 cells, and lymphocytes. Lymph nodes and tonsils. Shipping condition Room temperature Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at 1-0 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation With SAA, 0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, 0.05% azide, Puffed, SSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, 0.05% azide, vurified, SSA-free: 1 mg/mL in PBS without azide	Molecular weight	~110 kDa			
Entrez gene ID SwissProt P27487 Unigene 368912 Immunogen Antibody target cellular Species reactivity Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Not recommended for FFPE, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 ul. for flow cytometry, Does not react with pig or sheep, others not tested Positive control U-87 MG (Human glioblastoma astrocytoma), Ramos (Human Burkitt's lymphoma, HEP-G2 cells, and lymphocytes. Lymph nodes and tonsils. Shipping condition Storage Conditions Storage Conditions Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate formulation Antibody research areas Immunology Immunology	Synonyms	Adenosine deaminase complexing protein 2 (ADCP-2): Dipeptidyl peptidase 4; Dipeptidyl peptidase 4 soluble form; Dipeptidyl peptidase 1 vambrane form; Dipeptidyl peptidase IV soluble form; Dipeptidyl peptidase IV soluble form; Dipeptidyl peptidase, intestinal; Dipeptidyleptidase IV; DPP4; DPPIV; Intestinal dipeptidyl peptidase; T-cell Intestinal dipeptidyl peptidase; T-cell			
SwissProt P27487	Human gene symbol	DPP4			
Unigene Recombinant human DPP4 protein Antibody target cellular Plasma membrane Species reactivity Human, Rat Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Not recommended for FFPE, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 ul. for flow cytometry, Does not react with pig or sheep, others not tested Positive control U-87 MG (Human glioblastoma astrocytoma), Ramos (Human Burkitt's lymphoma, HEP-G2 cells, and lymphocytes. Lymph nodes and tonsils. Shipping condition Storage Conditions To a secondary conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Pas/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, Purfied, SBA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/m	Entrez gene ID	1803			
Immunogen	SwissProt	P27487			
Antibody target cellular Plasma membrane Species reactivity Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Not recommended for FFPE, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 ul. for flow cytometry, Does not react with pig or sheep, others not tested Positive control U-87 MG (Human glioblastoma astrocytoma), Ramos (Human Burkitt's lymphoma, HEP-G2 cells, and lymphocytes. Lymph nodes and tonsils. Shipping condition Storage Conditions Conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Pas/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.0	Unigene	368912			
Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Not recommended for FFPE, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 ul. for flow cytometry, Does not react with pig or sheep, others not tested	Immunogen	Recombinant human DPP4 protein			
Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Not recommended for FFPE, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 ul. for flow cytometry, Does not react with pig or sheep, others not tested Positive control U-87 MG (Human glioblastoma astrocytoma), Ramos (Human Burkitt's lymphoma, HEP-G2 cells, and lymphocytes. Lymph nodes and tonsils. Shipping condition Storage Conditions Conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation PBS/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Immunology	Antibody target cellular	Plasma membrane			
BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Not recommended for FFPE, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for tiltration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 uL for flow cytometry, Does not react with pig or sheep, others not tested Positive control U-87 MG (Human glioblastoma astrocytoma), Ramos (Human Burkitt's lymphoma, HEP-G2 cells, and lymphocytes. Lymph nodes and tonsils. Shipping condition Storage Conditions Conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/	Species reactivity	Human, Rat			
astrocytoma), Ramos (Human Burkitt's lymphoma, HEP-G2 cells, and lymphocytes. Lymph nodes and tonsils. Shipping condition Storage Conditions Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Immunology	Antibody application notes	BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Not recommended for FFPE, Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/mllilion cells/100 uL for flow cytometry, Does not react with pig or			
Imphoma, HEP-G2 cells, and Imphoma, HEP-G2 cells, and Imphopoytes. Lymph nodes and tonsils. Shipping condition	Positive control	U-87 MG (Human glioblastoma			
Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C		lymphoma, HEP-G2 cells, and			
conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Regulatory status For research use only (RUO) Antibody/conjugate formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.15% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Immunology	Shipping condition	Room temperature			
Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended	Storage Conditions	conjugates from light, Note: store			
Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% BSA/	Shelf life	Guaranteed for at least 24 months from date of receipt when stored as			
formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide Antibody research areas Immunology	Regulatory status	For research use only (RUO)			
		BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2			
Cell/tissue expression Epithelial cells		Purified, BSA-free: 1 mg/mL in PBS			
	Antibody research areas	Purified, BSA-free: 1 mg/mL in PBS without azide			

Antibody # prefix	Conjugation	Ex/Em (nm)	Laser line	Detection channel	Dye Features
BNC04	CF®405S	404/431	405	DAPI (microscopy), AF405	CF®405S Features
BNC88	CF®488A	490/515	488	GFP, FITC	CF®488A Features
BNC68	CF®568	562/583	532, 561	RFP, TRITC	CF®568 Features
BNC94	CF®594	593/614	561	Texas Red®	CF®594 Features
BNC40	CF®640R	642/662	633-640	Cy®5	CF®640R Features
BNC47	CF®647	650/665	633-640	Cy®5	CF®647 Features
BNCB	Biotin	N/A	N/A	N/A	
BNUB	Purified	N/A	N/A	N/A	
BNUM	Purified, BSA-free	N/A	N/A	N/A	

Alexa Fluor, Pacific Blue, Pacific Orange, and Texas Red are trademarks or registered trademarks of Thermo Fisher Scientific; Cy is a registered trademark of Cytiva; IRDye, LI-COR, LI-COR Bioscience.