

# CD26 Monoclonal Antibody (CC69)

Catalog NumberMA1-83888

Product data sheet

Details		Species Reactivity	
Size	250 µg	Species reactivity	Bovine, Sheep
Host/Isotope	Mouse / IgG1	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody		
Clone	CC69	Flow Cytometry (Flow)	1:50-1:200
Immunogen	Proprietary Immunogen.	Immunoprecipitation (IP)	Assay-dependent
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	1 mg/mL		
Purification	Protein G		
Storage buffer	PBS, pH 7.4		
Contains	0.09% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

## Product specific information

For FACS analysis, use 10 µL of the suggested working dilution to label 1x10<sup>6</sup> cells in 100 µL. Mouse anti Bovine CD26 antibody, clone CC69 recognizes bovine Dipeptidyl peptidase 4, also known as CD26, WC10, Adenosine deaminase complexing protein or Activation molecule 3 (Lee et al. 2001).

## Background/Target Information

CD26 (dipeptidyl peptidase IV, DPP IV), adenosine deaminase (ADA) binding protein) is a homodimeric atypical serine protease belonging to the prolyl oligopeptidase family. CD26 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. CD26 identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. Further, CD26 is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. Alterations in CD26 peptidase activity are characteristic of malignant transformation, and the enzymatic activity increases dramatically with tumor grade and severity. CD26 is expressed in various blood cell types, but also in cells that are histogenetically related to activated fibroblasts. Alterations in CD26 density have been reported on circulating monocytes and CD4+ T cells during rheumatoid arthritis and systemic lupus erythematosus.

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