

Datasheet: MCA6087

Description:	MOUSE ANTI BOVINE CD26
Specificity:	CD26
Other names:	DPP4
Format:	Con S/N
Product Type:	Monoclonal Antibody
Clone:	CACT114A
Isotype:	IgG2b
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			Neat - 1/10
Functional Assays		■		

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Bovine
Product Form	Concentrated tissue culture supernatant - liquid
Preparation	Concentrated tissue culture supernatant clarified by filtration through a 0.2 micrometer filter
Buffer Solution	Serum free tissue culture medium containing proprietary protein free supplement
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	ConA activated bovine lymphocytes

External Database Links

UniProt:

[P81425](#) [Related reagents](#)

Entrez Gene:

[281122](#) DPP4 [Related reagents](#)

Synonyms	CD26
Specificity	Mouse anti Bovine CD26, clone CACT114A , recognizes bovine CD26 also known as DPP4 or dipeptidyl peptidase 4. Bovine CD26 is expressed in various cell types and participates in many biological activities such as the post-translational processing of chemokines (Proost et al. 2001) and neuropeptides (Lambeir et al. 2001), and in the regulation of degradation and inactivation of glucagon (Pospisilik et al. 2001). CD26 also functions as a costimulatory molecule on activated T cells and is highly expressed on CD8+ natural killer cells in calves vaccinated against <i>Mycobacterium avium paratuberculosis</i> (Park et al. 2015).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 1. Lee, S.U. <i>et al.</i> (2002) Molecular characterization of bovine CD26 upregulated by a staphylococcal superantigen. Immunogenetics. 54 (3): 216-20. 2. Park, K.T. <i>et al.</i> (2015) Characterization and expression of monoclonal antibody-defined molecules on resting and activated bovine αβ, γδ T and NK cells. Vet Immunol Immunopathol. 168 (1-2): 118-30.
Storage	Store at +4°C. DO NOT FREEZE. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #20389 available at: 20389: https://www.bio-rad-antibodies.com/uploads/MSDS/20389.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG2b (STAR134...) [RPE](#)

Recommended Useful Reagents

[MOUSE ANTI BOVINE CD8a \(MCA6083\)](#)

[MOUSE ANTI BOVINE CD4 \(MCA6081\)](#)

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