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 *Mycobacterium avium paratuberculosis* (Park *et al.* 2015).
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul
References	1. Lee, S.U. *et al.* (2002) Molecular characterization of bovine CD26 upregulated by a staphylococcal superantigen. Immunogenetics. 54 (3): 216-20. 2. Park, K.T. *et al.* (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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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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