

Datasheet: MCA1425A647

BATCH NUMBER 152536

Description:	MOUSE ANTI BOVINE CD11b:Alexa Fluor® 647
Specificity:	CD11b
Other names:	INTEGRIN ALPHA M CHAIN, MAC-1
Format:	ALEXA FLUOR® 647
Product Type:	Monoclonal Antibody
Clone:	CC126
Isotype:	IgG2b
Quantity:	100 TESTS/1ml

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

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species

Bovine

Species Cross Reactivity

Reacts with: Goat, Sheep

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG conjugated to Alexa Fluor 647 - liquid

Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®647	650	665

Preparation

Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity	Mouse anti Bovine CD11b antibody, clone CC126 recognizes the bovine CD11b cell surface antigen.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> Howard, C.J. & Naessens, J. (1993) Summary of workshop findings for cattle (tables 1 and 2). Vet Immunol Immunopathol. 39 (1-3): 25-47. Naessens, J. <i>et al.</i> (1993) Cross-reactivity of workshop antibodies with cells from domestic and wild ruminants. Vet Immunol Immunopathol. 39 (1-3): 283-90. Akesson, C.P. <i>et al.</i> (2008) Phenotypic characterisation of intestinal dendritic cells in sheep. Dev Comp Immunol. 32: 837-49. Lecchi, C. <i>et al.</i> (2008) Bovine alpha-1 acid glycoprotein can reduce the chemotaxis of bovine monocytes and modulate CD18 expression. Vet Res. 39: 50. Connelley, T. <i>et al.</i> (2011) NKp46 defines ovine cells that have characteristics corresponding to NK cells. Vet Res. 42: 37. Kallapur, S.G. <i>et al.</i> (2011) Pulmonary and systemic inflammatory responses to intra-amniotic IL-1α in fetal sheep. Am J Physiol Lung Cell Mol Physiol. 301 (3): L285-95. Albenzio, M. & Caroprese, M. (2011) Differential leucocyte count for ewe milk with low and high somatic cell count. J Dairy Res. 78 (1): 43-8. Graff, J.C. and Jutila, M.A. (2007) Differential regulation of CD11b on gammadelta T cells and monocytes in response to unripe apple polyphenols. J Leukoc Biol. 82: 603-7. Top, S. <i>et al.</i> (2011) Infection of nonhost species dendritic cells <i>in vitro</i> with an attenuated myxoma virus induces gene expression that predicts its efficacy as a vaccine vector. J Virol. 85: 12982-94. Albenzio, M. <i>et al.</i> (2012) Immune competence of the mammary gland as affected by somatic cell and pathogenic bacteria in ewes with subclinical mastitis. J Dairy Sci. 95: 3877-87. Muñoz-Caro, T. <i>et al.</i> (2015) <i>Eimeria bovis</i>-triggered neutrophil extracellular trap formation is CD11b-, ERK 1/2-, p38 MAP kinase- and SOCE-dependent. Vet Res. 46: 23. Dedieu, L. <i>et al.</i> (2005) <i>Mycoplasma mycoides</i> ssp. <i>mycoides</i> biotype small colony-secreted components induce apoptotic cell death in bovine leucocytes. Scand J Immunol. 62 (6): 528-38. Flameng, W. <i>et al.</i> (2014) Coating with fibronectin and stromal cell-derived factor-1α of decellularized homografts used for right ventricular outflow tract reconstruction eliminates immune response-related degeneration. J Thorac Cardiovasc Surg. 147 (4): 1398-1404.e2. Edwards, J.C. <i>et al.</i> (2010) PrP(Sc) is associated with B cells in the blood of scrapie-infected sheep. Virology. 405 (1): 110-9. McClenahan, D.J. <i>et al.</i> (2000) Association among filamentous actin content, CD11b

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Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA1425A647
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:Alexa Fluor® 647 \(MCA691A647\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M372682:200710'

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