

Datasheet: MCA1425PE

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| Description: | MOUSE ANTI BOVINE CD11b:RPE |
| Specificity: | CD11b |
| Other names: | INTEGRIN ALPHA M CHAIN, MAC-1 |
| Format: | RPE |
| Product Type: | Monoclonal Antibody |
| Clone: | CC126 |
| Isotype: | IgG2b |
| Quantity: | 100 TESTS |

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 |

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

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 R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1.0 ml distilled water

Max Ex/Em

| Fluorophore | Excitation Max (nm) | Emission Max (nm) |
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| RPE 488nm laser | 496 | 578 |
| RPE 561nm laser | 546 | 578 |

Preparation

Purified IgG prepared by affinity chromatography on Protein A from tissue culture

supernatant

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| Buffer Solution | Phosphate buffered saline |
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| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 5% Sucrose |
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| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line. |
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| Specificity | Mouse anti Bovine CD11b antibody, clone CC126 recognizes the bovine CD11b cell surface antigen. |
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| Flow Cytometry | Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul |
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| 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- |
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| Storage | Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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 #20487 available at: 20487: https://www.bio-rad-antibodies.com/uploads/MSDS/20487.pdf |
| Regulatory | For research purposes only |

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL:RPE \(MCA691PE\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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](https://www.bio-rad-antibodies.com/datasheets)
'M378564:210222'

Printed on 17 Sep 2021