Datasheet: MCA2308F

**Description:** MOUSE ANTI PIG CD11a:FITC

**Specificity:** CD11a

**Other names:** INTEGRIN ALPHA L CHAIN, LFA-1

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** BL1H8

**Isotype:** IgG2b

**Quantity:** 0.1 mg

### Product Details

**RRID** AB_2129116

**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.

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>Neat</td>
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</table>

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** Pig

**Species Cross Reactivity**

Reacts with: Sheep, Bovine

*N.B.* Antibody reactivity and working conditions may vary between species.

**Product Form**

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Max Ex/Em**

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide

1% Bovine Serum Albumin

**Approx. Protein Concentrations**

IgG concentration 0.1 mg/ml

**Immunogen**

Porcine alveolar macrophages.
Fusion Partners

Spleen cells from immunized BALB/c mice were fused with cells of the SP2/0 myeloma cell line.

Specificity

Mouse anti Pig CD11a, clone BL1H8 recognizes porcine CD11a, binding to a conformational epitope on the alpha chain of LFA-1 (CD11a/CD18), expressed on a range of cells including peripheral blood lymphocytes, monocytes, granulocytes and alveolar macrophages. Clone BL1H8 immunoprecipitates two bands of 170 kDa (CD11a) and 95 kDa (CD18) from porcine alveolar lysates, pre-clearance of the lysates completely removed the 170 kDa band, strongly suggesting the epitope for this antibody is located on the CD11a chain, although some involvement of residues on the LFA-1 β chain could not be formally ruled out (Alvarez et al. 2000). Mouse anti Pig CD11a, clone BL1H8 was clustered as porcine CD11a at the Third International Workshop on Swine Leukocyte Differentiation Antigens (Haverson et al. 2001).

Mouse anti pig CD11a, clone BL1H8 is reported to inhibit Con-A driven T-cell proliferation and the mixed lymphocyte reaction (Alvarez et al. 2000).

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References


Further Reading


Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10041 available at:

Regulatory

For research purposes only
Related Products

**Recommended Negative Controls**

**MOUSE IgG2b NEGATIVE CONTROL:FITC (MCA691F)**

<table>
<thead>
<tr>
<th>North &amp; South America</th>
<th>Tel: +1 800 265 7376</th>
<th>Fax: +1 919 878 3751</th>
<th>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a></th>
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<tr>
<td>Worldwide</td>
<td>Tel: +44 (0)1865 852 700</td>
<td>Fax: +44 (0)1865 852 739</td>
<td>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a></td>
</tr>
<tr>
<td>Europe</td>
<td>Tel: +49 (0) 89 8090 95 21</td>
<td>Fax: +49 (0) 89 8090 95 50</td>
<td>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a></td>
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