Datasheet: MCA1820F

**Description:** MOUSE ANTI BOVINE INTERLEUKIN-4:FITC

**Specificity:** IL-4

**Format:** FITC

**Product Type:** Monoclonal Antibody

**Clone:** CC303

**Isotype:** IgG2a

**Quantity:** 0.1 mg

### Product Details

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](http://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 (1)</td>
<td></td>
<td></td>
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</table>

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.

(1) **Membrane permeabilization is required for this application. Bio-Rad recommend the use of Leucoperm™ (Product Code BUF09) for this purpose.**

**Target Species**

Bovine

**Species Cross Reactivity**

Reacts with: Dog, Pig, Sheep, Mustelid, Goat, Dolphin, Mink, Fin Whale, Horse

**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>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>520</td>
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</tbody>
</table>

**Preparation**

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

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

1% Bovine Serum Albumin

**Approx. Protein Concentrations**

IgG concentration 0.1mg/ml

**External Database**

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

**Specificity**

**Mouse anti Bovine Interleukin-4 antibody, clone CC303** recognizes bovine interleukin 4

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.

**References**

18. Geherin, S.A. *et al.* (2013) Ovine skin-recirculating γδ T cells express IFN-γ and IL-17 and

19. Moreira, M. L. et al. (2016) Vaccination against canine leishmaniosis increases the phagocytic activity, nitric oxide production and expression of cell activation/migration molecules in neutrophils and monocytes Veterinary Parasitology. 15 Feb [Epub ahead of print]

<table>
<thead>
<tr>
<th>Storage</th>
<th>Store at +4°C or at -20°C if preferred.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This product should be stored undiluted.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>18 months from date of despatch.</td>
</tr>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
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**Recommended Products**

**Recommended Negative Controls**

**MOUSE IgG2a NEGATIVE CONTROL:FITC (MCA929F)**

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