Datasheet: MCA1820PE

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

**Specificity:** IL-4

**Format:** RPE

**Product Type:** Monoclonal Antibody

**Clone:** CC303

**Isotype:** IgG2a

**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](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>
<td></td>
<td>Neat - 1/5</td>
</tr>
</tbody>
</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.

(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 R. Phycoerythrin (RPE) - lyophilized

**Reconstitution**

Reconstitute with 1 ml distilled water

**Max Ex/Em**

<table>
<thead>
<tr>
<th></th>
<th>Fluorophore</th>
<th>Excitation (nm)</th>
<th>Emission (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PE 488nm laser</td>
<td>496</td>
<td>578</td>
</tr>
<tr>
<td></td>
<td>PE 561nm laser</td>
<td>546</td>
<td>578</td>
</tr>
</tbody>
</table>

**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
5% Sucrose
Fusion Partners
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

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]

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.

Shelf Life

12 months from date of reconstitution.

Health And Safety

Information


Regulatory

For research purposes only

© 2017 Bio-Rad Laboratories Inc | Legal | Imprint