Datasheet: MCA1820

**Description:** MOOSE ANTI BOVINE INTERLEUKIN-4

**Specificity:** IL-4

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** CC303

**Isotype:** IgG2a

**Quantity:** 0.5 mg

**RRID** AB_2127033

**Applications**

<table>
<thead>
<tr>
<th></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>1/50 - 1/100</td>
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<tr>
<td>Immunohistology - Frozen</td>
<td>✗</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td>✗</td>
<td></td>
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<tr>
<td>ELISA</td>
<td>✗</td>
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<tr>
<td>Immunoprecipitation</td>
<td>✗</td>
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<tr>
<td>Western Blotting</td>
<td>✗</td>
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</tbody>
</table>

- 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).

- (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 - liquid

**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

**Carrier Free**

- Yes
Approx. Protein Concentrations

<table>
<thead>
<tr>
<th>External Database Links</th>
<th>UniProt: P30367  Related reagents</th>
</tr>
</thead>
</table>

| 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

hosts of *Schistosoma japonicum*, yellow cattle and water buffalo. BMC Vet Res. 8: 25.

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

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Recommended Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos., HRP](#)
- Goat Anti Mouse IgG (STAR77...) [HRP](#)
- Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
- Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
- Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
- Goat Anti Mouse IgG (STAR76...) [RPE](#)
- Goat Anti Mouse IgG (STAR70...) [FITC](#)
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC, HRP](#)
- Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
- Human Anti Mouse IgG2a (HCA037...) [FITC, HRP](#)
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP](#)

**Recommended Negative Controls**

MOUSE IgG2a NEGATIVE CONTROL (MCA929)