Datasheet: MCA1820

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

**Specificity:** IL-4

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** CC303

**Isotype:** IgG2a

**Quantity:** 0.5 mg

**Applications**

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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</thead>
<tbody>
<tr>
<td>Flow Cytometry (1)</td>
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<td></td>
<td></td>
<td>1/50 - 1/100</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</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.

(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

**Approx. Protein Concentrations**

IgG concentration 1.0mg/ml
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 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**

Material Safety Datasheet Documentation #10040 available at:

**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

HuCAL Anti Mouse IgG2a (HCA037...) **FITC, HRP**

Goat Anti Mouse IgG (STAR77...) **HRP**

Rabbit Anti Mouse IgG (STAR13...) **HRP**

Goat Anti Mouse IgG (STAR70...) **FITC**

Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**

Rabbit Anti Mouse IgG (STAR8...) **DyLight®800**

Goat Anti Mouse IgG (STAR76...) **RPE**

Rabbit Anti Mouse IgG (STAR12...) **RPE**

Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**

Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP**

Rabbit Anti Mouse IgG (STAR9...) **FITC**

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