Datasheet: MCA1302G

**Description:** RAT ANTI MOUSE INTERLEUKIN-10

**Specificity:** IL-10

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** JES5-2A5

**Isotype:** IgG1

**Quantity:** 0.5 mg

### 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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry (1)</td>
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<td>1/10 - 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>1/200 - 1/2000</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>1/1000</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. 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 recommends the use of Leucoperm (BUF09) for this purpose.

### Target Species

**Species Cross Reactivity:**

Reacts with: Goat

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

### Product Form

**Product Form:** Purified IgG - liquid

### 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

### Carrier Free

Yes

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml
**Immunogen**

Recombinant Mouse IL-10.

**External Database Links**

- **UniProt**: P18893
- Related reagents

- **Entrez Gene**: 16153 Il10
- Related reagents

**Synonyms**

- Il-10

**Fusion Partners**

Spleen cells from immunized rats were fused with cells of the mouse P3.X63 Ag8.653 myeloma cell line.

**Specificity**

Rat anti Mouse Interleukin-10 antibody, clone JES5-2A5 recognizes mouse Cytokine synthesis inhibitory factor (CSIF), also known as interleukin-10 (IL-10). IL-10 is produced by Ly-1(CD5) expressing B cells ([O'Garra et al. 1992](#)) and a subset of stimulated T cells ([Asseman et al. 1999](#)).

IL-10 has a wide range of biological properties, including the inhibition of macrophage and T helper cell mediated cytokine synthesis, and the suppression of the delayed hypersensitivity response.

Rat anti Mouse Interleukin-10 antibody, clone JES5-2A5 is reported to neutralize the activity of murine IL-10 ([Weber-Nordt et al. 1994](#)).

**Flow Cytometry**

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

**References**


**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**

- Rabbit Anti Rat IgG (STAR17...)
- Goat Anti Rat IgG (STAR69...) 
- Goat Anti Rat IgG (STAR131...)
- Goat Anti Rat IgG (STAR73...)
- Rabbit Anti Rat IgG (STAR21...)
- Goat Anti Rat IgG (STAR72...)
- Rabbit Anti Rat IgG (STAR16...)
- Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)

**Recommended Negative Controls**

- RAT IgG1 NEGATIVE CONTROL (MCA1211)

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