### 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>Method</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>Yes</td>
<td></td>
<td></td>
<td>1/5</td>
</tr>
</tbody>
</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.

#### Target Species
Mouse

#### Product Form
Purified IgG - liquid

#### Preparation
Purified IgG prepared by affinity chromatography

#### Buffer Solution
Phosphate buffered saline

#### Preservative Stabilisers
0.09% Sodium Azide

#### Approx. Protein Concentrations
IgG concentration 0.5 mg/ml

#### Immunogen
LPS-activated CBA/Ca mouse splenic B lymphocytes

#### External Database Links
- **UniProt**: [P42082](http://UniProt.org/P42082)
- **Entrez Gene**: [12524](http://EntrezGene.org/12524) Cd86

### Related reagents

**Specificity**

Rat anti mouse CD86 antibody, clone GL-1 recognizes mouse CD86 (B7-2), a ~80 kDa cell surface glycoprotein, and a member of the CD28/B7 family. In mouse CD86 is expressed at high levels on peripheral blood monocytes and dendritic cells, and at low levels on resting B and T lymphocytes. Expression of CD86 on these cell populations can be increased upon activation. CD86 has been identified, along with CD80 (B7-1), as a ligand for CD28 and cytotoxic T lymphocyte antigen-4 (CTLA4). CD28 and CTLA4 are two receptors that have opposing functions in T lymphocyte stimulation. Interaction of CD86 with CD28 promotes a number of T lymphocyte activities, whereas the binding of CD86 to CTLA4 inhibits T lymphocyte responses.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul

**References**


**Storage**

Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**

12 months from date of despatch

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related 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 IgG2a NEGATIVE CONTROL (MCA1212)
- RAT IgG2a NEGATIVE CONTROL (MCA1212)

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)