Datasheet: MCA6076F

Description: RAT ANTI MOUSE CD86:FITC
Specificity: CD86
Other names: B7-2
Format: FITC
Product Type: Monoclonal Antibody
Clone: GL-1
Isotype: IgG2a
Quantity: 0.1 mg

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.

<table>
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<tr>
<th></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</td>
<td>✗</td>
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<td>1/5</td>
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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 conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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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

Related reagents
Entrez Gene: 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. 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 despatch

**Health And Safety Information**  

**Regulatory**  
For research purposes only

**Related Products**

**Recommended Negative Controls**

**RAT IgG2a NEGATIVE CONTROL:FITC (MCA1212F)**