Datasheet: MCA749PE

Description: MOUSE ANTI GUINEA PIG CD4:RPE

Specificity: CD4
Format: RPE
Product Type: Monoclonal Antibody
Clone: CT7
Isotype: IgG1
Quantity: 100 TESTS

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>
<thead>
<tr>
<th>Application</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></td>
</tr>
</tbody>
</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.

Target Species: Guinea Pig

Product Form: Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution: Reconstitute with 1.0ml distilled water

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
</tr>
</tbody>
</table>

Preparation: Purified IgG prepared by affinity chromatography on Protein G.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide 1% Bovine Serum Albumin

Immunogen: Guinea pig peritoneal T-cells.

Fusion Partners: Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 mouse myeloma cell line.

Specificity: Mouse anti Guinea Pig CD4 antibody, clone CT7 recognizes the CD4 antigen present on T Helper/Inducer lymphocytes.
Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole Guinea Pig peripheral blood.

References

reactivation in guinea pigs infected with *Mycobacterium tuberculosis*. Vaccine. 30 (9): 1572-82.

**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 reconstitution.

**Health And Safety Information**
Material Safety Datasheet documentation #10075 available at:

**Regulatory**
For research purposes only

**Recommended Products**
**MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)**

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