Datasheet: MCA837A647

Description: MOUSE ANTI BOVINE CD8:Alexa Fluor® 647
Specificity: CD8
Format: ALEXA FLUOR® 647
Product Type: Monoclonal Antibody
Clone: CC63
Isotype: IgG2a
Quantity: 100 TESTS/1ml

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>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td>Neat - 1/10</td>
<td></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. 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
Bovine

Species Cross Reactivity
Reacts with: Sheep, Goat

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

Product Form
Purified IgG conjugated to Alexa Fluor® 647 - liquid

Max Ex/Em
<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexa Fluor®647</td>
<td>650</td>
<td>665</td>
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</table>

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
1% Bovine Serum Albumin

Approx. Protein Concentrations
IgG concentration 0.05 mg/ml

External Database Links
UniProt: P31783 Related reagents
Entrez Gene: 281060 CD8A  Related reagents

**Fusion Partners**

Spleen cells from an immunised mouse were fused with cells of the mouse NS1 myeloma cell line.

**Specificity**

Mouse anti Bovine CD8 antibody, clone CC63 reacts with the bovine CD8 antigen expressed by a subset of T lymphocytes. The antibody precipitates molecules of ~34 kDa and ~38 kDa under reducing conditions. Clone CC63 has been reported as being suitable for use on formalin dichromate (FD5) fixed paraffin embedded tissue with amplification and antigen retrieval techniques (Gutierrez et al. 1999).

**Flow Cytometry**

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

**References**


### Storage
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted. This product is photosensitive and should be protected from light.

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.

### Acknowledgements
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### Health And Safety Information

### Regulatory
For research purposes only

### Related Products
**Recommended Negative Controls**

**MOUSE IgG2a NEGATIVE CONTROL:Alexa Fluor® 647 (MCA929A647)**

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