Datasheet: MCA1651F

Description: MOUSE ANTI BOVINE CD205:FITC

Specificity: CD205

Other names: WC6 ANTIGEN

Format: FITC

Product Type: Monoclonal Antibody

Clone: CC98

Isotype: IgG2b

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>
<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>Neat - 1/10</td>
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</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

Bovine

Species Cross Reactivity

Reacts with: Sheep

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

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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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</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 pH7.4

Preservative Stabilisers

0.09% Sodium Azide
1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.1 mg/ml

Specificity

Mouse anti Bovine CD205 antibody, clone CC98 recognizes the bovine CD205 cell surface antigen, a ~210-220 kDa molecule expressed by T cells that are CD2+ve but not WC1+ve. CD205 is also expressed by B cells, and weakly stains B cell follicles.
Bovine CD205 has previously been described as the WC6 antigen (Gliddon et al. 2004).

Dendritic cells (veiled cells) in afferent lymph are strong expressors of CD205 as are dendritic cells in various other tissues.

Flow Cytometry

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

References

2. Howard, C.J. et al. (1996) Afferent lymph veiled cells stimulate proliferative responses in allogeneic CD4+ and CD8+ T cells but not gamma delta TCR+ T cells. Immunology. 88 (4): 558-64.

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. 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.

**Health And Safety Information**
Material Safety Datasheet documentation #10041 available at:

**Regulatory**
For research purposes only

**Related Products**

**Recommended Negative Controls**

**MOUSE IgG2b NEGATIVE CONTROL:FITC (MCA691F)**

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