Datasheet: MCA1651GA

Description: MOUSE ANTI BOVINE CD205
Specificity: CD205
Other names: WC6 ANTIGEN
Format: Purified
Product Type: Monoclonal Antibody
Clone: CC98
Isotype: IgG2b
Quantity: 0.1 mg

Product Details

Applications

<table>
<thead>
<tr>
<th>Application</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>
<td></td>
<td></td>
<td>1/50 - 1/200</td>
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<td>Immunohistology - Frozen</td>
<td>♦</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</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

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

Product Form: Purified IgG - liquid

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

Carrier Free: Yes

Approx. Protein Concentrations: IgG concentration 1.0 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. 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**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

- **Goat Anti Mouse IgG IgA IgM (STAR87...)** [Alk. Phos., HRP]
- **Goat Anti Mouse IgG (STAR77...)** [HRP]
- **Rabbit Anti Mouse IgG (STAR12...)** [RPE]
- **Rabbit Anti Mouse IgG (STAR8...)** [DyLight®680]
- **Rabbit Anti Mouse IgG (STAR13...)** [HRP]
- **Goat Anti Mouse IgG (STAR76...)** [RPE]
- **Goat Anti Mouse IgG (STAR70...)** [FITC]
- **Goat Anti Mouse IgG (H/L) (STAR117...)** [Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP]
- **Goat Anti Mouse IgG (Fc) (STAR120...)** [FITC, HRP]
- **Rabbit Anti Mouse IgG (STAR9...)** [FITC]
- **Human Anti Mouse IgG2b (HCA038...)** [FITC, HRP]

**Recommended Negative Controls**

- **MOUSE IgG2b NEGATIVE CONTROL (MCA691)**