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

**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](http://www.bio-rad-antibodies.com/protocols).

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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>1/50 - 1/200</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</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

Material Safety Datasheet documentation #10040 available at:

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®649, DyLight®660, 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)**