Datasheet: MCA1653GA

Description: MOUSE ANTI BOVINE CD4
Specificity: CD4
Format: Purified
Product Type: Monoclonal Antibody
Clone: CC8
Isotype: IgG2a
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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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>1/100 - 1/200</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>Immunoprecipitation</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

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein A 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

Immunogen

Bovine lymphocytes.

External Database

UniProt:
Fusion Partners

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

Specificity

Mouse anti Bovine CD4 antibody, clone CC8 recognizes bovine CD4, the homolog of human CD4 and immunoprecipitates a ~50 kDa molecule. The phenotype, tissue distribution and function of T-cells expressing the bovine CD4 antigen are similar to those in other species. However, expression on macrophages has not yet been detected. Clone CC8 has been reported as being suitable for use on formalin dichromate (FD5) fixed paraffin embedded tissue with amplification and antigen retrieval techniques (Eskra et al. 1991).

Flow Cytometry

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

References


24. Metcalfe, H.J. et al. (2016) Protection associated with a TB vaccine is linked to increased frequency of Ag85A-specific CD4(+) T cells but no increase in avidity for Ag85A. Vaccine. 34 (38): 4520-5.


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.

Guarantee

18 months from date of despatch.

Health And Safety Information

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®800]
- Goat Anti Mouse IgG (STAR13...) [HRP]
- Goat Anti Mouse IgG (STAR76...) [RPE]
- Goat Anti Mouse IgG (STAR70...) [FITC]
- Goat Anti Mouse IgG (Fc) (STAR120...) [FITC, HRP]
- Rabbit Anti Mouse IgG (STAR9...) [FITC]
- Human Anti Mouse IgG2a (HCA037...) [FITC, HRP]
- Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP]

**Recommended Negative Controls**

MOUSE IgG2a NEGATIVE CONTROL (MCA929)