### Product Details

**Description:** MOUSE ANTI BOVINE CD8  
**Specificity:** CD8  
**Format:** Purified  
**Product Type:** Monoclonal Antibody  
**Clone:** CC63  
**Isotype:** IgG2a  
**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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<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</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 - 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 (NaN₃)

### Carrier Free

Yes

### Approx. Protein Concentrations

IgG concentration 1 mg/ml
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.

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®800*
- 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 IgG2a (HCA037...) *FITC*, *HRP*

**Recommended Negative Controls**

- MOUSE IgG2a NEGATIVE CONTROL (MCA929)