

# Datasheet: MCA6080

**BATCH NUMBER 156576**

<b>Description:</b>	MOUSE ANTI BOVINE CD3
<b>Specificity:</b>	CD3
<b>Format:</b>	Con S/N
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	MM1A
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			Neat - 1/10
Immunocytochemistry	▪			

Where this product 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 product for use in their own system using appropriate negative/positive controls.

### Target Species

Bovine

### Species Cross Reactivity

Reacts with: Bison, Water Buffalo

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Concentrated tissue culture supernatant - liquid

### Preparation

Concentrated tissue culture supernatant clarified by filtration through a 0.2 micrometer filter

### Buffer Solution

Serum free tissue culture medium containing proprietary protein free supplement

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>)

## Stabilisers

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

### Immunogen

Monocyte enriched bovine mononuclear cells

### External Database Links

#### UniProt:

[Q28073](#)

[Related reagents](#)

#### Entrez Gene:

[281054](#)

CD3E

[Related reagents](#)

### Specificity

**Mouse anti Bovine CD3, clone MM1A**, recognizes bovine CD3. CD3 plays an important role in T cell activation and in expression of intact TCR molecules. Clone MM1A detects bovine CD3 and reacts with bovine alpha beta and gamma delta TCR+ T cells and recognizes an epitope located on the epsilon chain of CD3 ([MacHugh \*et al.\* 1998](#)). Mouse anti Bovine CD3, clone MM1A also reacts with Zebu ([Conrad \*et al.\* 2007](#)).

### Flow Cytometry

Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul

### References

1. Kato-Mori, Y. *et al.* (2021) Characterization of a variant CD4 molecule in Japanese Black cattle. [Vet Immunol Immunopathol. 232: 110167.](#)

### Storage

Store at +4°C. DO NOT FREEZE.

Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

12 months from date of despatch

### Health And Safety Information

Material Safety Datasheet documentation #20389 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6080>  
20389

### Regulatory

For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG1 (STAR132...) [RPE](#)

### Recommended Useful Reagents

[MOUSE ANTI BOVINE CD4 \(MCA6081\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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