

Datasheet: MCA6080

BATCH NUMBER 165371

Description:	MOUSE ANTI BOVINE CD3
Specificity:	CD3
Format:	Con S/N
Product Type:	Monoclonal Antibody
Clone:	MM1A
Isotype:	IgG1
Quantity:	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.

	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 (NaN₃)

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 10⁶ 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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