

Datasheet: MCA1646G

Description:	MOUSE ANTI BOVINE CD1w2
Specificity:	CD1w2
Other names:	CD1b
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CC13
Isotype:	IgG3
Quantity:	0.25 mg

Product Details

RRID AB_905938

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	▪			1/50 - 1/200
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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: Goat, 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 CD1w2 antibody, clone CC13 recognises the bovine CD1w2 cell surface antigen, a glycoprotein heterodimer of 12 kDa and 46 kDa. CD1w2 is expressed by cortical thymocytes and a minority of medullary thymocytes, with a pattern similar to antibodies of the CD1b cluster in humans.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
References	<ol style="list-style-type: none"> Howard, C.J. <i>et al.</i> (1991) Summary of workshop findings for leukocyte antigens of cattle. Vet Immunol Immunopathol. 27: 21-7. Parsons, K.R. <i>et al.</i> (1991) Immunohistology of workshop monoclonal antibodies to the bovine homologue of CD1. Vet Immunol Immunopathol. 27: 201-6. Parsons, K.R. and MacHugh, N.D. (1991) Individual antigens of cattle. Bovine CD1 (BoCD1). Vet Immunol Immunopathol. 27: 37-41. Hopkins, J. and Dutia, B.M. (1991) Workshop studies on the ovine CD1 homologue. Vet Immunol Immunopathol. 27: 97-9. Pinchuk, L.M. <i>et al.</i> (2003) Bovine dendritic cells generated from monocytes and bone marrow progenitors regulate immunoglobulin production in peripheral blood B cells. Comp Immunol Microbiol Infect Dis. 26: 233-49. Bujdoso, R. <i>et al.</i> (1989) Characterization of sheep afferent lymph dendritic cells and their role in antigen carriage. J Exp Med. 170: 1285-301.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>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.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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
Human Anti Mouse IgG3 (HCA039...)	FITC , 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](#)

Goat Anti Mouse IgG (H/L) (STAR117...)

[Alk. Phos.](#), [DyLight@488](#), [DyLight@549](#),
[DyLight@649](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)

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