

Datasheet: MCA2450F

BATCH NUMBER 1111R

Description:	MOUSE ANTI BOVINE CD205:FITC
Specificity:	CD205
Other names:	WC6 ANTIGEN
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	IL-A114
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

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

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

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

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 (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
External Database Links	UniProt: Q6WY07 Related reagents
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells of the X63.Ag8.653 myeloma cell line.
Specificity	Mouse anti Bovine CD205 antibody, clone IL-A114 recognizes bovine CD205 (also known as DEC205) and originally described as BoWC6. CD205 is a cell surface antigen with an approximate molecular weight of ~210-220 kDa. CD205 is expressed on afferent lymph dendritic cells (veiled cells), B cells, a subset of T cells and by cortical and medullary thymocytes.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul
References	<ol style="list-style-type: none"> 1. Dutia, B.M. <i>et al.</i> (1993) Analysis of the monoclonal antibodies comprising WC6. Vet Immunol Immunopathol. 39 (1-3): 193-9. 2. Naessens, J. <i>et al.</i> (1993) Cross-reactivity of workshop antibodies with cells from domestic and wild ruminants. Vet Immunol Immunopathol. 39 (1-3): 283-90. 3. Gliddon, D.R. <i>et al.</i> (2004) DEC-205 expression on migrating dendritic cells in afferent lymph. Immunology. 111 (3): 262-72. 4. Parsons, K.R. <i>et al.</i> (1993) Studies of monoclonal antibodies identifying two novel bovine lymphocyte antigen differentiation clusters: workshop clusters (WC) 6 and 7. Vet Immunol Immunopathol. 39 (1-3): 187-92. 5. Howard, C.J. & Naessens, J. (1993) Summary of workshop findings for cattle (tables 1 and 2). Vet Immunol Immunopathol. 39 (1-3): 25-47. 6. Tamao, H. <i>et al.</i> (2011) Distribution of immune cells and expression of interleukin receptors in ileal Peyer's patches of calves. Cell Tissue Res. 346: 245-54.
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10041 available at:

<https://www.bio-rad-antibodies.com/SDS/MCA2450F>

10041

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:FITC \(MCA928F\)](#)

North & South Tel: +1 800 265 7376

Worldwide

Tel: +44 (0)1865 852 700

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Tel: +49 (0) 89 8090 95 21

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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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