Datasheet: MCA6112GA

BATCH NUMBER 151012

Description:	MOUSE ANTI PIG CD205
Specificity:	CD205
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	ZH9F7
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 - 1/100

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	Pig
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN_3)
Carrier Free	Yes
Approx. Protein Concentrations	1.0 mg/ml
Immunogen	Pig CD205

Specificity	**Mouse anti Pig CD205, clone ZH9F7** recognizes the endocytic receptor CD205, also known as DEC205. CD205 is expressed at high levels by dendritic cell (DC) subsets and can be detected on thymic epithelial cells (Flores-Mendoza *et al.* 2010). Mouse anti Pig CD205 antibody, clone ZH9F7, has been used in characterization of the species-conserved features of the cDC1 subset. This subset is characterised by high surface expression of CD205, CD135, CADM1, low levels of CD172a, a lack of CD115, XCR1, and BATF3; and restricted APN gene expression (Auray *et al.* 2016). CD205 receptor expression was confirmed in cDC1 and cDC2 subsets using flow cytometry on porcine tonsil, submaxillary and mesenteric lymph nodes, and spleen lymphoid tissues (Parra-Sanchez *et al.* 2018).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul
References	1. Gael, A. *et al.* (2016) Characterization and Transcriptomic Analysis of Porcine Blood Conventional and Plasmacytoid Dendritic Cells Reveals Striking Species-Specific Differences The Journal of Immunology. 197 (12): 4791-4806. 2. Héctor, P. *et al.* (2018) Characterization and expression of DEC205 in the cDC1 and cDC2 subsets of porcine dendritic cells from spleen, tonsil, and submaxillary and mesenteric lymph nodes Molecular Immunology. 96: 1-7. 3. Lorena, B. *et al.* (2019) Evaluation of a Recombinant Mouse X Pig Chimeric Anti-Porcine DEC205 Antibody Fused with Structural and Nonstructural Peptides of PRRS Virus Vaccines. 7 (2): 43.
Further Reading	1. Lilian, F. *et al.* (2010) Characterization of porcine CD205 Developmental & Comparative Immunology. 34 (7): 715-721.
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.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA6112GA 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE

Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America
Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide
Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe
Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

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

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