Datasheet: MCA6150F

Description:	MOUSE ANTI PIG CD11c:FITC
Specificity:	CD11c
Format:	FITC
Product Type:	Monoclonal Antibody
Clone:	3A8
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 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 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 A 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

Immunogen

Pig alveolar macrophages

External Database Links	**UniProt:** K9IVW2 Related reagents
Specificity	**Mouse anti Pig CD11c, clone 3A8** recognizes CD11c also known as integrin alpha-X. Porcine CD11c is mainly expressed by blood and skin polymorphonuclear and mononuclear phagocytes as well as monocytes, granulocytes and alveolar and inflammatory macrophages. Porcine CD11c is not expressed by plasmacytoid dendritic cells (pDC). Mouse anti Pig CD11c, clone 3A8 antibody can be used to distinguish resident from migrating dendritic cells (DC) in lymph nodes;migrated DC express lower levels of surface CD11c and have higher MHC class II expression than resident DC. Both porcine cDC1 and cDC2 subsets express CD11c, with cDC1 appearing to have slightly lower levels than cDC2. Clone 3A8 did not show species cross-reactivity with human CD11c-CD18 transfectants or sheep myeloid cells (Deloizy *et al*. 2016).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul
References	1. Álvarez, B. *et al.* (2023) Porcine Macrophage Markers and Populations: An Update. Cells. 12 (16) :2103.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
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/MCA6150F 10041
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL:FITC (MCA928F)

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