## Datasheet: MCA6100GA

### BATCH NUMBER 164243

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|---|---|
| **Description:** | MOUSE ANTI PIG MONOCYTE/GRANULOCYTE |
| **Specificity:** | MONOCYTE/GRANULOCYTE |
| **Other names:** | CD172a, SWC3a |
| **Format:** | Purified |
| **Product Type:** | Monoclonal Antibody |
| **Clone:** | 74-22-15 |
| **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 |

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 combination of precipitation and chromatography techniques

**Buffer Solution**

Borate buffered saline

**Preservative Stabilisers**

<0.1% Sodium Azide ($NaN_3$)

**Approx. Protein Concentrations**

IgG concentration 0.5 mg/ml

**Immunogen**

Fresh dd miniature swine thymocytes

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|---|---|
| **Specificity** | **Mouse anti Pig Monocyte/Granulocyte antibody, clone 74-22-15**, recognizes 90% of pig monocytes and granulocytes, in addition to 5% of lymphocytes, in peripheral blood. The target of Mouse anti Pig Monocyte/Granulocyte antibody, clone 74-22-15 is CD172a, similarly to clone BL1H7 (Haverson *et al.* 1994, Blecha *et al*. 1994). CD172a/SWC3a is expressed on monocytes, dendritic cells, and granulocytes. |
| **Flow Cytometry** | Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul |
| **References** | 1. Labarque, G.G. *et al.* (2000) Effect of cellular changes and onset of humoral immunity on the replication of porcine reproductive and respiratory syndrome virus in the lungs of pigs. J Gen Virol. 81 (Pt 5): 1327-34. |
| | 2. Blecha, F. *et al.* (1994) Workshop studies on monoclonal antibodies reactive against porcine myeloid cells. Vet Immunol Immunopathol. 43 (1-3): 269-72. |
| | 3. Jarosz, Ł. *et al.* (2021) The Effect of Feed Supplementation with EM Bokashi® Multimicrobial Probiotic Preparation on Selected Parameters of Sow Colostrum and Milk as Indicators of the Specific and Nonspecific Immune Response. Probiotics Antimicrob Proteins. Oct 01 [Epub ahead of print]. |
| **Storage** | Store at +4ºC. DO NOT FREEZE. |
| | This product should be stored undiluted. 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 #10077 available at: https://www.bio-rad-antibodies.com/SDS/MCA6100GA 10077 |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Secondary Antibodies

| | |
|---|---|
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos., HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC, HRP |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |

### Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

## Recommended Useful Reagents

MOUSE ANTI PIG CD14 (MCA1218GA)

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

'M392061:211020'

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