

Datasheet: MCA5936GA

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|----------------------|-------------------------|
| Description: | MOUSE ANTI CHICKEN CD34 |
| Specificity: | CD34 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | AV138 |
| 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 | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | |
| Immunocytochemistry (1) | ▪ | | | |

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.

(1) It has been demonstrated that this antibody can be used to detect chicken CD34 expressed in COS7 cells using an AEC substrate detection system.

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|---------------------------------|---|
| Target Species | Chicken |
| 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 | <0.1% Sodium Azide (NaN ₃) |

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|---------------------------------------|---|
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |
| Immunogen | Chicken CD34/hulg fusion protein. |
| External Database Links | UniProt: E1BUT3 Related reagents |
| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the Sp2/0 Ag14 Myeloma cell line. |
| Specificity | <p>Mouse anti Chicken CD34 antibody, clone AV138 recognizes chicken CD34, a cell surface antigen expressed by, endothelial progenitor cells, endothelial cells and haematopoietic stem cells.</p> <p>Mouse anti Chicken CD34 antibody, clone AV138 is one of a range of antibodies that have been developed by the Roslin Institute as part of the Avian immunology toolbox project. In addition to this anti chicken CD34 antibody, other antibodies to chicken CD antigens and cytokines from this project are now available from Bio-Rad.</p> |
| ELISA | This product is suitable for use in indirect ELISA applications. |
| Western Blotting | Clone AV138 detects a band of approximately 70 - 80kDa on COS cell supernatant transfected with chicken CD34 (extracellular)/V5HIS6 tagged protein under reducing conditions. |
| Further Reading | 1. Cairns, D.M. <i>et al.</i> (2012) Interplay of Nkx3.2, Sox9 and Pax3 regulates chondrogenic differentiation of muscle progenitor cells. PLoS One. 7: e39642. |
| Storage | <p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
| Guarantee | 12 months from date of despatch |
| Acknowledgements | This reagent was produced by the WellcomeTrust-funded National Avian Resource Facility (Grant number WT099164MA). |
| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA5936GA 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

| | |
|---|---|
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight®800 |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP |

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'M389627:210806'

Printed on 18 Jan 2024

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