

Datasheet: MCA5926GA

BATCH NUMBER 163251

Description:	MOUSE ANTI CHICKEN CD14
Specificity:	CD14
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	AV141
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	▪			

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	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)
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Chicken CD14/hulg fusion protein.

External Database Links

UniProt:

[B0BL87](#)

[Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line

Specificity

Mouse anti Chicken CD14 antibody, clone AV141 recognises chicken monocyte differentiation antigen CD14, a 465 amino acid GPI-anchored membrane glycoprotein containing multiple <http://www.ebi.ac.uk/interpro/entry/IPR026906> . CD14 is a monocyte/macrophage differentiation antigen, belonging to the lipopolysaccharide receptor family, also expressed weakly on microglia and Langerhans cells.

CD14 acts as a receptor for the potent bacterial endotoxin, lipopolysaccharide (LPS), facilitated by LPS-binding protein (LBP). The binding of LPS to CD14 results in cell activation and the release of cytokines and the inflammatory response, and has been shown to upregulate the cell surface expression of adhesion molecules.

Clone AV141 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 Mouse anti Chicken CD14 antibody, clone AV141, other antibodies to [chicken CD antigens](#) and [chicken cytokines](#) from this project are now available from Bio-Rad.

ELISA

This product is suitable for use in indirect ELISA applications.

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

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/MCA5926GA> 10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [Purified](#), [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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

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