

## Datasheet: MCA5956GA

<b>Description:</b>	MOUSE ANTI CHICKEN CSF1R
<b>Specificity:</b>	CSF1R
<b>Other names:</b>	CD115
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	ROS-AV170
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			

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.

<b>Target Species</b>	Chicken
<b>Species Cross Reactivity</b>	Reacts with: Grey partridge, Guinea Fowl, Quail Does not react with: Goose, Duck, Turkey, Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified ChCSF1R-Fc fusion protein
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti Chicken CSF1R, clone ROS-AV170</b>, recognizes the chicken homologue of human CSF1R, also known as CD115, CSF-1R, M-CSF receptor and c-fms. CSF1R is a single pass type 1 transmembrane protein belonging to the type III protein kinase family and is the cell surface receptor for both CSF1 and IL-34. Evidence from comparative sequence analysis across a range of vertebrate species indicates that CSF1 and IL-34 interact with distinct regions of CSF1R (<a href="#">Garceau et al. 2010</a>).</p> <p>CSF1R cell surface expression appears to be one of the earliest events in macrophage lineage cells (<a href="#">Garceau et al. 2010</a>). Mouse anti Chicken CSF1R, clone ROS-AV170 is a monoclonal antibody that has been generated to recognize chicken CSF1R. Clone ROS-AV170 has been shown to recognize the CSF1R antigen in some, but not all closely related avian species.</p> <p>Mouse anti Chicken CSF1R, clone ROS-AV170 is an excellent marker for chicken macrophages.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul
<b>References</b>	<ol style="list-style-type: none"> <li>1. Garcia-Morales, C. <i>et al.</i> (2014) Production and characterisation of a monoclonal antibody that recognises the chicken CSF1 receptor and confirms that expression is restricted to macrophage-lineage cells. <a href="#">Dev Comp Immunol 42:278-85</a>.</li> <li>2. Garceau, V. <i>et al.</i> (2015) The development and maintenance of the mononuclear phagocyte system of the chick is controlled by signals from the macrophage colony-stimulating factor receptor. <a href="#">BMC Biol. 13:12</a>.</li> </ol>
<b>Further Reading</b>	1. Garceau, V. <i>et al.</i> (2010) Pivotal Advance: Avian colony-stimulating factor 1 (CSF-1), interleukin-34 (IL-34), and CSF-1 receptor genes and gene products. <a href="#">J Leukoc Biol. 87:753-64</a> .
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	18 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...) [RPE](#)  
 Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
 Goat Anti Mouse IgG (STAR77...) [HRP](#)  
 Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
 Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)  
 Goat Anti Mouse IgG (STAR70...) [FITC](#)  
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
 Human Anti Mouse IgG1 (HCA036...) [HRP](#)  
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),  
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)

## Recommended Useful Reagents

[MOUSE ANTI CHICKEN CD14 \(MCA5926GA\)](#)  
[HUMAN ANTI CHICKEN CD25:Alexa Fluor® 647 \(HCA173A647\)](#)  
[HUMAN ANTI CHICKEN CD25:FITC \(HCA173F\)](#)  
[MOUSE ANTI CHICKEN Bu-1a:RPE \(MCA2170PE\)](#)  
[MOUSE ANTI CHICKEN Bu-1a:FITC \(MCA2170F\)](#)  
[MOUSE ANTI CHICKEN CD45:RPE \(MCA2413PE\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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