

Datasheet: MCA5956A488

Description:	MOUSE ANTI CHICKEN CSF1R:Alexa Fluor® 488
Specificity:	CSF1R
Other names:	CD115
Format:	ALEXA FLUOR® 488
Product Type:	Monoclonal Antibody
Clone:	ROS-AV170
Isotype:	IgG1
Quantity:	100 TESTS/1ml

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
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.

Target Species	Chicken		
Species Cross Reactivity	Reacts with: Grey partridge, Guinea Fowl, Quail Does not react with: Goose, Duck, Turkey, Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.		
Product Form	Purified IgG conjugated to Alexa Fluor® 488 - liquid		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	Alexa Fluor®488	495	519
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide (NaN ₃)		
Stabilisers	1% Bovine Serum Albumin		
Approx. Protein Concentrations	IgG concentration 0.05 mg/ml		
Immunogen	Purified ChCSF1R-Fc fusion protein		

Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line
Specificity	<p>Mouse anti Chicken CSF1R, clone ROS-AV170, 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 (Garceau et al. 2010).</p> <p>CSF1R cell surface expression appears to be one of the earliest events in macrophage lineage cells (Garceau et al. 2010). 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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul
References	<ol style="list-style-type: none"> 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. Dev Comp Immunol 42:278-85. 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. BMC Biol. 13:12.
Further Reading	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. J Leukoc Biol. 87:753-64 .
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Shelf Life	18 months from date of despatch
Acknowledgements	This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchased product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
Regulatory	For research purposes only

Related Products

Recommended Useful Reagents

[MOUSE ANTI CHICKEN CD14 \(MCA5926GA\)](#)

[MOUSE ANTI CHICKEN CD25 \(MCA5925GA\)](#)

[MOUSE ANTI GUINEA FOWL Bu-1a/b \(MCA5958GA\)](#)

[MOUSE ANTI CHICKEN MONOCYTES/MACROPHAGES \(MCA5770\)](#)

[HUMAN ANTI CHICKEN CD25:Alexa Fluor® 647 \(HCA173A647\)](#)

[MOUSE ANTI CHICKEN CD45:RPE \(MCA2413PE\)](#)

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