

Mouse anti-Chicken CSF1R Monoclonal Antibody | anti-CSF1R antibody

MOUSE ANTI CHICKEN CSF1R

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA12252	Mouse	Chicken	Immunohistochemistry, Flow Cytometry, Functional Assay, Immunofluorescence

PRODUCT SYNONYMS

CSF1R; Monoclonal Antibody; MOUSE ANTI CHICKEN CSF1R; anti-CSF1R antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Chicken
Clonality	Monoclonal
Isotype	IgG1
Clone Number	ROS-AV170
Specificity	CSF1R
Form/Format	Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	454
Applicable Applications for anti-CSF1R antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IF (Immunofluorescence)
Application Notes	Flow Cytometry: 1/50; 1/200 Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul 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.
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
Reactivity Notes	Species Cross Reactivity: Reacts with: Grey partridge, Guinea Fowl Does not react with:Goose, Duck, Quail, Turkey, Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Buffer Solution	Phosphate buffered saline
Preparation and 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.

IMAGES



Application Data

Mouse anti Chicken CSF1R (CD115) immunohistochemical staining of guinea fowl, Agelastes meleagrebursa of Fabricius. Clone ROS-AV170 specifically stains the bursal secretory dendritic cells (BSDC) located in the medulla. Clone ROS-AV170 also recognizes some CSF1R+ve macrophages in the interfollicular connective tissue. Image courtesy of Dr Nandor Nagy, Semmelweis University, Hungary



Application Data

Mouse anti Chicken CSF1R (CD115) immunohistochemical staining of quail, Cortunix cortunix, bursa of Fabricius. Cryostat sections were cut from 4 week old quail bursa of Fabricius. Clone ROS-AV170 specifically stains the bursal secretory dendritic cells (BSDC) located in the medulla and the macrophages of the interfollicular connective tissue. Image courtesy of Dr Nandor Nagy, Semmelweis University, Hungary



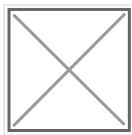
FCM (Flow Cytometry)

Staining of CSF1R transfected CHO cells with Mouse anti Chicken CSF1R followed by FITC conjugated Goat anti Mouse IgG following permeabilization with Leucoperm™ (BUF09)



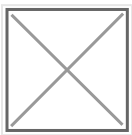
FCM (Flow Cytometry)

Staining of CSF1R transfected CHO cells with Mouse anti Chicken CSF1R following permeabilization with Leucoperm™ (BUF09)



FCM (Flow Cytometry)

Staining of CSF1R transfected CHO cells with Mouse anti Chicken CSF1R following permeabilization with Leucoperm™ (BUF09)



Application Data

Mouse anti Chicken CSF1R (CD115) immunohistochemical staining of Grey Partridge, Perdix perdix bursa of Fabricius. Cryostat sections were cut from 4 week old partridge bursa of Fabricius. Clone ROS-AV170 specifically recognized membrane expressed antigen on the bursal secretory dendritic cells (BSDC) in the medulla and by the macrophages (arrows) of the interfollicular connective tissue. Image courtesy of Dr Nandor Nagy, Semmelweis University, Hungary

ADDITIONAL INFORMATION

Related Product Information for anti-CSF1R antibody

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 V. et al. 2010). CSF1R cell surface expression appears to be one of the earliest events in macrophage lineage cells (Garceau V. et al. 2010). Clone ROS-AV170 is a monoclonal antibody that has been generated specifically to recognize chicken CSF1R. Clone ROS-AV170 has been shown to recognize the CSF1R antigen in some, but not all closely related avian species. Clone ROS-AV170 secretes an antibody that is an excellent marker for chicken macrophages.

NCBI AND UNIPROT INFORMATION

NCBI GI #	125858971
NCBI GeneID	1436
NCBI Official Full Name	CSF1R protein, partial
NCBI Official Synonym Full Names	colony stimulating factor 1 receptor
NCBI Official Symbol	CSF1R
NCBI Official Synonym Symbols	FMS; CSFR; FIM2; HDLS; C-FMS; CD115; CSF-1R; M-CSF-R
NCBI Protein Information	macrophage colony-stimulating factor 1 receptor
UniProt Protein Name	Macrophage colony-stimulating factor 1 receptor
UniProt Gene Name	CSF1R

UniProt Synonym Gene Names	FMS; CSF-1-R; CSF-1R; M-CSF-R
UniProt Entry Name	CSF1R_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/csf1r-antibody-clone-ros-av170-immunohistochemistry-flow-cytometry-immunofluorescence-elisa/12252>