

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

MOUSE ANTI PIG CSF1R: APC

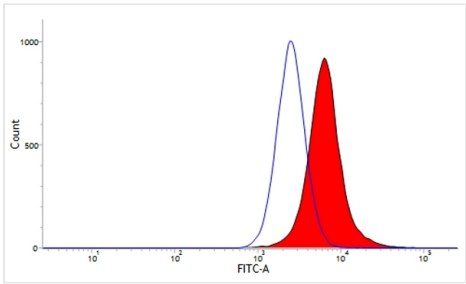
CATALOG # AAA50271	HOST Mouse	REACTIVITY Pig	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

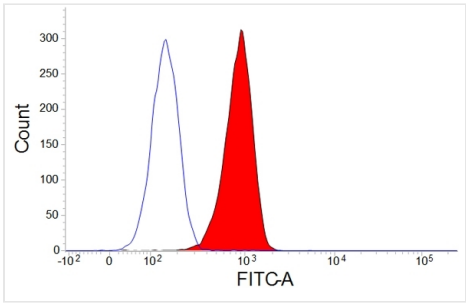
CSF1R; Monoclonal Antibody; MOUSE ANTI PIG CSF1R: APC; anti-CSF1R antibody

PRODUCT SPECIFICATIONS

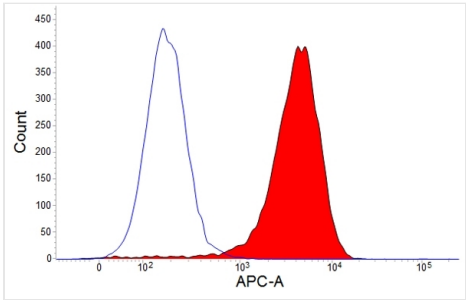
Host	Mouse
Reactivity	Pig
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	ROS8G11
Specificity	CSF1R
Form/Format	Purified IgG conjugated to Allophycocyanin (APC) - lyophilised
Sequence Length	454
Applicable Applications for anti-CSF1R antibody	FCM/FACS (Flow Cytometry)
Reactivity Notes	Dog
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃), 1% Bovine Serum Albumin, 5% Sucrose
Buffer Solution	Phosphate buffered saline
Reconstitution	Reconstitute with 1.0 ml distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. We recommend that the vial is gently mixed after reconstitution.
Preparation and Storage	Prior to reconstitution store at +4 degree C. After reconstitution store at +4 degree C. DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of reconstitution



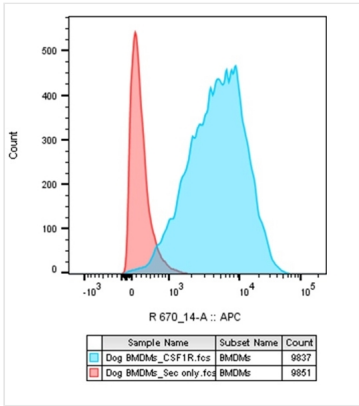
FCM/FACS (Flow Cytometry)
Staining of pig alveolar macrophages with Mouse anti Pig CSF1R followed by FITC conjugated Goat anti Mouse IgG following permeabilization with Leucoperm®; (BUF09



FCM/FACS (Flow Cytometry)
Staining of pig alveolar macrophages with Mouse anti Pig CSF1R



FCM/FACS (Flow Cytometry)
Staining of pig alveolar macrophages with Mouse anti Pig CSF1R



FCM/FACS (Flow Cytometry)
Staining of dog bone marrow derived macrophages (BMDMs) using Mouse anti pig CSF1R, clone ROS 8G11 . Image courtesy of the Roslin Institute

ADDITIONAL INFORMATION

Related Product Information for anti-CSF1R antibody

Mouse anti Pig CSF1R, clone ROS8G11, recognizes the porcine homologue of human CSF1R, also known as CSF-1R, M-CSF receptor, CD115 and c-fms. CSF1R (CD115) 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). CSF1R cell surface expression appears to be one of the earliest events in macrophage lineage cell commitment and CSF1R expression appears primarily limited to macrophages (Garceau et al. 2010). The development of the monoclonal antibody ROS8G11 specifically recognizing porcine CSF1R provides an antibody that will assist with research into porcine monocyte and macrophage biology (Moffat et al. 2014). Clone ROS8G11 has been tested for cross reactivity in a limited number of species, and while it does not recognize human or equine CSFR1, further testing is required to conclude if the antibody recognizes CSF1R in other species such as canine.

NCBI AND UNIPROT INFORMATION

NCBI GI #	125858971
NCBI GeneID	1436
Molecular Weight	33,248 Da
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-ros8g11-flow-cytometry-elisa/50271>