

Mouse CD41/CD61 Monoclonal Antibody | anti-CD41/CD61 antibody

MOUSE ANTI CHICKEN CD41/CD61:FITC

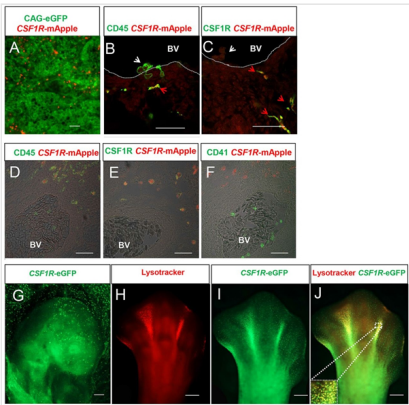
CATALOG # AAA49653	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD41/CD61; Monoclonal Antibody; MOUSE ANTI CHICKEN CD41/CD61:FITC; anti-CD41/CD61 antibody

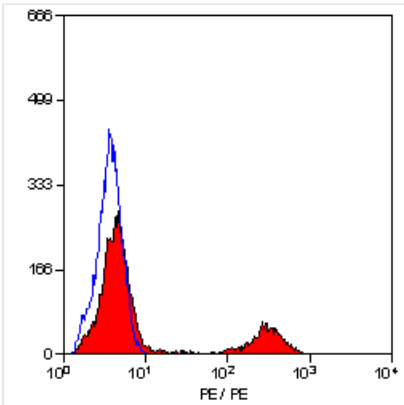
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	11C3
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Applicable Applications for anti-CD41/CD61 antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Chicken
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. 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. Shelf Life: 18 months from date of despatch.



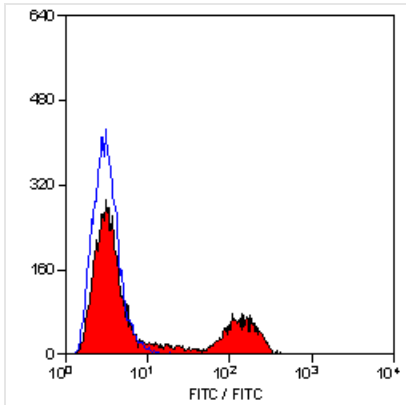
Application Data

Published customer image; CSF1R-transgene expression is restricted to macrophages in MacReporter embryos. (A) CSF1R-mApple+ cells (red) are restricted to the lumen of primitive blood vessels in ubiquitous CAG-eGFP-expressing HH13 stage embryos (green). (B,C) Confocal analysis of transgene expression in HH21 stage CSF1R-mApple embryos indicates that transgene expression is restricted to CD45+ (B, green), CSF1R+ (C, green) cells in the mesenchyme (red arrowheads) and not CD45+ cells budding from the epithelial layer of the dorsal aorta (white arrowheads). Dotted lines mark the blood vessel (BV) lumen. Scale bars in A-C: 100 μ m. (D-F) Confocal analysis of CSF1R staining (green) of CSF1R-mApple transgene-expressing cells (red) in the mesenchyme tissue of a HH29 embryo. The transgene is expressed in cells (red) that are CD45+ (D, green) and CSF1R+ (E, green), but are CD41/61- (F, green). Scale bars in D-F: 100 μ m. BV, blood vessel lumen. (G) Scattered eGFP+ cells are found in the embryonic (Emb.) and extra-embryonic (Ex-Emb) tissues of HH15 MacGreen embryos. Scale bar: 200 μ m. (H-J) Colocalization of eGFP+ cells with LysoTracker Red-stained lysosomes in HH33 embryo footplate and in the interdigit region. Inset in J shows the boxed area in more detail. Scale bars in G-J: 200 μ m. From: Balic A, Garcia-Morales C, Vervelde L, Gilhooley H, Sherman A, Garceau V, Gutowska MW, Burt DW, Kaiser P, Hume DA, Sang HM. Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. Development. 2014 Aug;141(16):3255-65.



Application Data

Staining of Chicken peripheral blood cells with Mouse anti Chicken CD41/CD61:RPE



Application Data

Staining of Chicken peripheral blood cells with Mouse anti Chicken CD41/61: FITC

ADDITIONAL INFORMATION

Related Product Information for anti-CD41/CD61 antibody

Mouse anti Chicken CD41/61, clone 11C3 recognizes the chicken integrin CD41/61, also known as GPIIb-IIIa. CD41/61 is a heterodimeric cell surface protein that is expressed on chicken thrombocytes and cells of the thrombocyte lineage. Avian thrombocytes are nucleated equivalents of mammalian platelets that play a role in coagulation and phagocytosis. Mouse anti Chicken CD41/61 clone 11C3 is reported to induce thrombocyte activation (Lacoste-Eleau et al. 1994).

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.